

United States Department of Agriculture

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

SERVICE AND REGULATORY ANNOUNCEMENTS

LIST OF INTERCEPTED PLANT PESTS, 1943

(List of Pests Recorded During the Period July 1, 1942, to June 30, 1943, Inclusive, as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

INTRODUCTION

This report covers the thirtieth year for which lists of pest interceptions have been issued. During the first year, the fiscal year 1914, a total of 1,456 interceptions were recorded. The highest number in any list is 81,592 for the fiscal year 1940. Interceptions for the thirty-year period total more than 600,000.

The records summarized in this report include pests intercepted in, on, or with plants and plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc., and hence not imported through customs, (4) offered for entry for immediate export or for immediate transportation and exportation in bond, and (5) in domestic shipments between Hawaii and Puerto Rico and the mainland.

Determinations of collections made near the close of the preceding year are included with data for the current year. In addition to routine reports and determinations by the personnel of this Bureau, considerable information is supplied by State and customs officials. Staffs of specialists maintained by the States of California and Florida and the Territory of Hawaii determine most of the interceptions made there, and specialists of the Bureau of Plant Industry determine a large part of the more difficult plant-disease material.

The scientific names of insects are checked by specialists in this Bureau and those of hosts and fungi by specialists in the Bureau of Plant Industry to make sure they conform to the appropriate international rules of nomenclature.

The alleged origin of plant materials cannot be verified in all cases, especially under present conditions. Obviously doubtful items are usually omitted but if of particular interest may be listed as of unknown origin.

The factors affecting the nature, number, and source of interceptions under normal conditions are too complicated for ready and satisfactory analysis. Hence the effects of war on the interceptions cannot be stated in specific terms with any assurance of accuracy. It is interesting to note, however, that in the list of interceptions for 1940 nearly 13.6 percent of the interceptions in the main detailed table were from Europe, for 1941 only 1.9 percent, and for 1942 only 1.7 percent. For 1940 the interceptions from Japan were nearly 2.2 percent, dropping to 1.6 percent for 1941 and to 0.16 percent for 1942.

Among the factors affecting the interceptions made, in addition to the virtual elimination of receipt of plant material from Axis-held territory, are reduction in plant pest control measures and curtailment of plant pest inspection services in foreign countries; limitations on shipping space and routes; and transfer of large groups of our population to other countries. These factors and others correlated with them undoubtedly affected the interception records.

NOTES ON INSECTS INTERCEPTED

FRUITFLIES

Anastrepha fraterculus was intercepted at New York in orange in stores from Brazil. *A. fraterculus* (?) was taken at New Orleans, New York, and the Inspection House in Washington, D. C., in coffee and oranges in mail and stores from Brazil. The Mexican fruitfly (*A. ludens*) was intercepted 71 times in oranges in baggage, quarters, and stores at Brownsville, El Paso, Fort Worth, Galveston, Hidalgo, Laredo, and Presidio, and 49 times in 9 other hosts in baggage, cargo, and stores and in 6 empty refrigerator cars at El Paso, all from Mexico. The Mexican fruitfly was also taken twice in oranges in baggage at Brownsville from Guatemala. The West Indian fruitfly (*A. mombinpraeoptans*) was intercepted 6 times in mangoes in baggage, quarters, and stores from the American Virgin Islands, Haiti, Jamaica, and Puerto Rico. *A. serpentina* was taken 6 times in mamey and sapodilla in baggage and quarters from Guatemala and Mexico. The Mediter-

anean fruitfly (*Ceratitidis capitata*) was intercepted twice with grapefruit and mangoes from Hawaii and the Union of South Africa. *C. capitata* (?) was taken at Newport News and New York in grapefruit and oranges in cargo and stores from Mozambique and the Union of South Africa.

INSECTS OTHER THAN FRUITFLIES

The citrus blackfly (*Aleurocanthus woglumi*) was intercepted on leaves of *Citrus* sp. from Cuba and orange from Mexico. Pineapples from Mexico were infested with *Alpheias conspirata* (Galleriidae). *Anaphothrips orchidaceus* and *A. orchidii* (Thripidae) were taken on orchids from England. *Aonidiella comperei* (Coccidae) arrived on pomelo from Thailand. *Brachyrhinus arcticus* (Curculionidae) was taken in sod from Iceland and Scotland. *Bruchidius incarnatus* (Bruchidae) infested lentils and fava beans from Egypt. *Bruchus dentipes* (Bruchidae) was intercepted in fava beans from Arabia and Iraq. The turnip gall weevil (*Ceutorhynchus pleurostigma*) was taken in rutabagas and turnips from England. *Clerada apicicornis* (Lygaeidae) arrived with *Lilium* sp. from Bermuda. Potatoes from New Zealand were infested with *Colobicus parilis* (Colydiidae). *Conotrachelus aguacatae* (Curculionidae) was found in avocados from Mexico. *Cyphosterna bicolor* (Cerambycidae) was intercepted in bamboo from Mexico. The rhododendron whitefly (*Dialeurodes chittendeni*) was taken on rhododendron leaves from England. *Epicaerus cognatus* (Curculionidae) infested potato from Mexico. *Epilachna varivestis* (Coccinellidae) arrived with lettuce and string beans from Mexico. *Epinotia opposita* (Olethreutidae) was taken in *Phaseolus* sp. from Mexico. *Cattleya* sp. from Venezuela was infested with *Eurytoma orchidearum* (Eurytomidae). The West Indian sweetpotato weevil (*Euscepes postfasciatus*) was intercepted in sweetpotatoes from Barbados, Brazil, Cuba, Peru, Puerto Rico, and Trinidad. *Frankliniella insularis* (Thripidae) was taken on *Rosa* sp. from Bahamas and Dominican Republic. *Gnorimoschema gudmannella* (Gelechiidae) arrived with peppers from Mexico. *Hoplandrothrips xanthopoides* (Phlaeothripidae) was found on orchid leaf from Colombia. String beans from Mexico were infested with *Laspeyresia leguminis* (Olethreutidae). *L. splendana* was taken in chestnuts from Portugal. *Lepidosaphes alba* (Coccidae) was intercepted on *Manihot* sp. from Peru. *Lixus mucronatus* (Curculionidae) arrived with celery from Portugal. *Macrosiphum rubiellum* (Aphidae) was taken on buds of *Rubus* sp. from England. *Marava wallacei* (Labiidae) was found with wheat from Australia. The East Indian bean pod borer (*Maruca testulalis*) infested string beans from Cuba and Mexico. *Micrelus ericae* (Curculionidae) arrived with heather from Scotland. Corn from Mexico was infested with *Moodna bisinuella* (Phycitidae). *Mordellistena cattleyana* (Mordellidae) was intercepted in orchid leaf from Mexico. *Nasutitermes cornigera* (Termitidae) arrived under bark of log from Mexico, with *Caesalpinia* sp. (log) from Nicaragua, and with orchid plant from unknown locality. *Odonaspis saccharicaulis* (Coccidae) was found on sugarcane from Mozambique. The yam weevil (*Palaeopus costicollis*) was taken in sweetpotatoes from Jamaica and Trinidad and yam from Cuba. The pink bollworm (*Pectinophora gossypiella*) was intercepted in cotton bolls from Mexico and Trinidad, cottonseed from Egypt, Mexico, Puerto Rico, and the Virgin Islands, and seed cotton from Cuba and Mexico. Carrots from England were infested with *Phyllotreta vittula* (Chrysomelidae). The carrot rust fly (*Psila rosae*) arrived with carrots from Algeria, England, and Morocco, parsnips from England and New Zealand, and turnip from England. The coffee berry borer (*Stephanoderes hampei*) infested coffee beans from Tanganyika. The mango weevil (*Sternuchus mangiferae*) was taken in mango seed from Hawaii. *Targionia sacchari* (Coccidae) was intercepted on ginger rhizome from India. *Tetramorium simillimum* (Formicidae) arrived with *Dioscorea* sp. (yam) from St. Lucia. *Thrips angusticeps* (Thripidae) was intercepted on cabbage from Morocco.

NOTES ON PLANT DISEASES INTERCEPTED

It may be noted that citrus canker (*Bacterium citri*) interceptions dropped to one for the year, and lima bean scab (*Elsinoe phaseoli*) from Cuba is missing from the list. In spite of the scarcity of banana shipments and the limited inspection they receive, the destructive banana leaf spot (*Cercospora musae*) was intercepted 25 times. The bulb and stem eelworm (*Ditylenchus dipsaci*) was intercepted half a dozen times. Sweet orange scab (*Elsinoe australis*), Australian citrus scab (*E. fawcettii* scabiosa), and citrus black spot (*Phoma citricarpa*) were intercepted during the year.

Quite a number of the entries are for organisms new to the interception files, and numerous others were intercepted from additional countries of origin or on additional hosts.

COMMON PESTS INTERCEPTED

Most of the pests found during the inspection of plant material are readily recognized as species already well established in this country. Representative samples of such forms are taken rather frequently and checked to make sure that similar forms not yet established are not being overlooked. Records are made of a part of the findings of some of these common pests and are summarized in this report to give a more accurate picture of the work. The numbers following the names of the pests indicate the number of countries of origin included and the number of interceptions recorded.

INSECTS

Common insects intercepted 10 or more times, and recorded, included *Acanthoscelides obtectus* (10-55), *Ahasverus advena* (11-23), *Anthonomus eugenii* (1-5,002), *Aphis gossypii* (6-13), *Araecerus fasciculatus* (10-24), *Aspidiotus cyanophylli* (6-68), *A. hederæ* (2-79), *A. lataniae* (13-336), *Carpocapsa pomonella* (5-104), *Cerataphis lataniae* (13-47), *Chrysomphalus aonidium* (9-38), *C. dictyospermi* (11-306), *Coccus hesperidum* (11-46), *Diaspis boisduvalii* (16-171), *D. bromeliae* (2-13), *Ephestia cautella* (8-12), *Etiella zinckenella* (1-16), *Gnorimoschema operculella* (12-226), *Heliothis armigera* (5-9,591), *H. virescens* (2-160), *Hippodamia convergens* (1-27), *Howardia biclavata* (9-12), *Keiferia lycopersicella* (1-7,673), *Laphygma exigua* (1-137), *L. frugiperda* (1-477), *Lasioderma serricorne* (6-37), *Lepidosaphes beckeri* (22-104), *L. ulmi* (2-14), *Murgantia histrionica* (1-92), *Myzus persicae* (7-11), *Oryzaephilus surinamensis* (7-18), *Parlatoria pergandii* (9-17), *Pinnaspis minor* (5-22), *Plodia interpunctella* (3-25), *Pseudococcus adonidum* (4-27), *P. brevipes* (7-23), *P. citri* (5-24), *Rhizoglyphus echinopus* (7-44), *Saissetia hemisphaerica* (10-90), *S. oleae* (11-19), *Selenaspidus articulatus* (16-40), *Sitophilus oryza* (8-14), *Stegobium paniceum* (6-12), *Thrips tabaci* (6-11), *Tribolium castaneum* (10-18), *Typhaea stercorea* (10-35).

In addition to the listed species of common insects, there were 4,170 interceptions belonging to 474 different species which were not deemed to be of sufficient importance from the plant-quarantine viewpoint to warrant listing them by species. Total of common insects intercepted, 29,523.

DISEASES

Common plant diseases intercepted 10 or more times, and recorded, included *Actinomyces scabies* (17-491), *Alternaria brassicae* (7-13), *A. solani* (2-12), *A. tomato* (1-1,696), *Aspergillus niger* (15-469), *Bacillus carotovorus* (5-10), *Bacterium phaseoli* (1-38), *B. vesicatorium* (3-1,478), *Botrytis cinerea* (9-15), *Cephalothecium roseum* (4-39), *Cercospora beticola* (2-16), *C. rosicola* (2-11), *Cladosporium fulvum* (2-42), *Colletotrichum circinans* (3-733), *C. gloeosporioides* (14-728), *C. lindemuthianum* (4-78), *C. orchidearum* (8-18), *Diplodia natalensis* (8-43), *Elsinoe fawcettii* (13-38), *Erysiphe graminis* (3-14), *E. polygoni* (1-156), *Gloeosporium limeticolum* (12-42), *G. musarum* (2-22), *Helminthosporium allii* (7-1,915), *Heterodera marioni* (8-29), *Mycosphaerella brassicicola* (6-24), *Oospora citri-aurantii* (7-60), *O. lactis parasitica* (6-43), *O. pustulans* (3-10), *Penicillium digitatum* (9-53), *P. italicum* (7-17), *Phoma destructiva* (4-69), *Phomopsis citri* (12-27), *P. vexans* (6-12), *Puccinia allii* (3-12), *P. graminis* (12-44), *P. purpurea* (1-19), *Rhizoctonia solani* (19-755), *Rhizopus nigricans* (17-802), *Sclerotinia sclerotiorum* (11-28), *Sclerotium oryzae* (7-17), *Sphaceloma fawcettii* (18-23), *Spondylocadium atrovirens* (11-25), *Ustilago zeae* (1-24), *Venturia inaequalis* (10-41), *Verticillium cinnabarinum* (12-46).

In addition to the listed species there were recorded 532 interceptions of 72 other species of common pathogens, making a total of 16,691 recorded interceptions of common diseases.

INCOMPLETELY DETERMINED PESTS

Many of the pests found by inspectors cannot be determined because they are new to science, or the material is inadequate or is not in condition or in the right stage to make an accurate determination possible.

INSECTS

Among the incompletely determined insects intercepted during the year were the following fruitflies: *Anastrepha* sp., probably *fraterculus*, taken at Baltimore, Brownsville, El Paso, Laredo, and New York in grapefruit, mango, orange, peach, and pear from Argentina, Canal Zone, Mexico, and Trinidad; *Anastrepha* sp., probably *ludens*, at Laredo in railway car from Mexico; *Anastrepha* sp., probably *mombinpraeoptans*, at Laredo in mango from Mexico; *Anastrepha* sp., perhaps *striata*, at Laredo in guava from Mexico; *Anastrepha* sp. at Brownsville, El Paso, Laredo, Miami, New York, San Diego, and Tampa in grapefruit, guava, mango, orange, and roseapple from Argentina, Colombia, Costa Rica, Guatemala, Jamaica, Mexico, and Trinidad; *Ceratitis* sp., probably *capitata*, at Newport News

in orange from the Union of South Africa; *Ceratitis* sp. at Miami in orange from Africa (army transport); *Dacus* sp. at Newport News in vegetable marrow from the Union of South Africa; *Epochra* sp., probably *canadensis*, at El Paso in currant from Mexico; *Rhagoletis* sp., probably *cingulata*, at St. Albans in wild cherry from Canada; *Rhagoletis* sp. at Brownsville, El Paso, Laredo, and St. Albans in husk tomato, red haw, walnut, and wild cherry from Canada and Mexico. Fourteen interceptions which could not be identified beyond family (Tephritidae) were taken at El Paso, Hoboken, Laredo, Newport News, New York, and Norfolk in *Celtis tala*, *Celtis* sp., husk tomato, orange, and walnut from Mexico, the Union of South Africa, and Uruguay.

In addition to the incompletely determined fruitflies the following miscellaneous insects of special interest were intercepted: *Acanthoscelides* sp., probably *submuticus* Sharp (Bruchidae), at El Paso in radish from Mexico; *Acrolophus* sp., near *fervidus* Busck (Acrolophidae), at San Juan with the roots of *Catleya gaskelliana* from Venezuela; *Agriotes* sp., probably *obscurus* L. (Elateridae), at Boston in sod with sand ballast from Scotland; *Anaballus* sp., apparently *amplipollis* Fairm. (Curculionidae), at Hoboken in seeds of *Adenanthera* sp. in soldier's mail; *Anaballus* sp., probably *amplipollis* Fairm., at New York in sandalwood seed in soldier's mail; *Anacentrinus* sp., probably *deplanatus* Csy. (Curculionidae), at Brownsville and Laredo in sugarcane from Mexico; *Baris* sp., possibly *laticollis* Marsh. (Curculionidae), at Baltimore in turnip from Portugal; *Brachyrhinus* sp., probably *rugosostriatus* (Goeze) (Curculionidae), at Blaine in soil around miscellaneous plants from British Columbia; *Bruchus* sp., near *luteicornis* Ill. (Bruchidae), at Philadelphia in vetch from Portugal; *Bruchus* sp., near *rufipes* Hbst., at Baltimore in vetch seed from Portugal; *Calendra* sp., very near *phoeniciensis* Chttm. (Curculionidae), at Nogales on spinach from Mexico; *Calligrapha* sp., near *diversa* (Stal) (Chrysomelidae), at El Paso with mustard from Mexico; *Centrinaspis* sp., near *picumnus* Hbst. (Curculionidae), at Laredo on chrysanthemum from Mexico; *Centrinaspis* sp., near *tonsilis* Boh., at Laredo in corn from Mexico; *Coccotrypes* sp., possibly *rolliniae* Hopk. (Scolytidae), at Hoboken in *Euterpe* sp. seed in soldier's mail; *Curtulio* sp., probably *elephas* Gyll. (Curculionidae), at Baltimore in chestnut from Portugal; *Diabrotica* sp., near *longicornis* (Say) (Chrysomelidae), at Brownsville with cut flowers from Mexico; *Dialeurodes* sp., possibly *glomerata* Singh (Aleyrodidae), at Boston on fig leaf from Queensland; *Eudalus* sp., probably *setosus* Lec. (Curculionidae), at Brownsville with peanuts from Mexico; *Heterobostrychus* sp., probably *brunneus* (Mur.) (Bostrichidae), on African mahogany from Gold Coast; *Hypnoidus* sp., near *quadriplagiatus* Champ. (Elateridae), at Laredo on orchid from Mexico; *Leperisinus* sp., probably *oleiperda* (F.) (Scolytidae), at New York on oak from England; *Micrapate* sp., near *sericeicollis* Lesne (Bostrichidae), at Nogales in bamboo from Mexico; *Neodryocetes* sp., near *hoodi* Blkm. (Scolytidae), at San Francisco in courbaril seed from Venezuela; *Psylliodes* sp., probably *chrysocephala* L. (Chrysomelidae), at El Paso, New York, and Philadelphia in turnips from England and Mexico; *Rhynchites* sp., near *auratus* Scop. (Curculionidae), at Washington, D. C., in *Prunus* sp. seed from Iran; *Stephanoderes* sp., near *fiebrigi* Hopk. (Scolytidae), at Hoboken in *Triplaris* sp. seed from Peru; *Tetralicia* sp., possibly *rotunda* J. Baker (Aleyrodidae), at Nogales on Grecian laurel from Mexico.

In addition to the incompletely determined insects listed above there were 4,296 interceptions which could be identified to genus only. These were distributed among 627 different genera. A total of 93 could be determined to family and subfamily only.

Total of incompletely determined insects intercepted, 4,501.

DISEASES

Incompletely determined plant diseases intercepted during the year included *Ceratostomella* sp., *Cercospora* sp., and *Helminthosporium* sp. on husk tomatoes from Mexico; *Diplodia* sp. on eggplant from Puerto Rico; *Helminthosporium* sp. on tomatoes from Mexico; *Microdiplodia* sp. on a rose bush from Egypt; *Nectria* sp. on a banana leaf from Panama; *Ophiobolus* sp. on an orchid from Colombia; *Pestalotzia* sp. and *Phoma* sp. on guavas from Mexico; *Phoma* sp. on an oxalis bush from Bolivia and on chayote from Mexico; *Phyllosticta* sp. on a number of hosts from Mexico, including onions, orchids, cereals, flowering herbs, and shrubs, walnut, alfalfa, guava, chayote, and spinach; *Puccinia* sp. on various plants, including barley, from French Africa, oats from Australia and India, rye from England and Portugal, and wheat from Australia, French Africa, Morocco, and Portugal; *Sclerotium* sp. on wheat leaves from Australia and wheat stems from New Hebrides; and *Uredo* sp. on *Salvia wagneriana* from Guatemala.

Incompletely determined pathogens recorded during the year totaled 6,251.

ENTOMOGENOUS FUNGI

Reports of entomogenous fungi noted during the course of inspection included *Aegerita webberi* Fawc. on *Dialeurodes citri* on tangerines from Panama; *Aschersonia cubensis* Berk. & Curt. on an undetermined scale insect on Cape-jasmine from Costa Rica and on *Vinsonia stellifera* (?) on Cape-jasmine from Puerto Rico; *Aschersonia* sp. on an undetermined host on *Manilkara bidentata* leaves from Peru; *Cephalosporium lecanii* Zimm. on *Coccus acuminatus* on Cape-jasmine from Costa Rica, on *C. viridis* on Cape-jasmine from Puerto Rico and from Venezuela, and on *Pulvinaria pyriformis* on Cape-jasmine from Colombia; *Myriangium duriaei* Mont. on *Lepidosaphes beckii* on oranges from Brazil and from Jamaica and on sour orange from Puerto Rico; *Nectria diploa* Berk. & Curt., 23 reports, hosts including *Chrysomphalus aonidum* on orange from Jamaica, *Fiorinia theae* on camellia from Costa Rica, *Lepidosaphes beckii* on "citrus" and on grapefruit from Cuba, on orange from Haiti, Honduras, Jamaica, and Panama, on sour orange from Puerto Rico, and on tangerine from Panama, on *Leucaspis cockerelli* on orange from Colombia, and on *Selenaspidus articulatus* on "citrus" from Puerto Rico, on lemon from Haiti and on orange from Brazil; *Podonectria coccicola* (Ell. & Ev.) Petch on *Lepidosaphes beckii* on orange from Brazil; and *Sphaerostilbe* sp. on undetermined hosts on *Pedilanthus macrocarpus* from Mexico and on *Picramnia quaternaria* from Costa Rica.

Geographic summary of interceptions listed in main table and interception totals

Country	Insects	Diseases	Country	Insects	Diseases
	Number	Number		Number	Number
Africa:			North America—Continued.		
Algeria.....	3	0	Central America—Con.		
Belgian Congo.....	1	0	Panama.....	10	1
Egypt.....	6	0	Salvador.....	1	2
French West Africa.....	1	0	Iceland.....	3	0
Gold Coast.....	10	0	Mexico.....	2, 148	477
Morocco.....	2	1	West Indies		
Mozambique.....	2	1	American Virgin		
Tanganyika.....	1	0	Islands.....	1	1
Union of South Africa.....	7	5	Bahamas.....	1	0
Asia:			Barbados.....	1	0
Arabia.....	3	0	Cuba.....	62	5
Burma.....	0	1	Dominican Republic.....	8	1
China.....	2	2	Dutch West Indies.....	1	0
Cyprus.....	2	0	Haiti.....	3	0
India.....	8	1	Jamaica.....	18	2
Iraq.....	1	0	Puerto Rico.....	14	3
Japan.....	2	10	St. Lucia.....	1	0
Palestine.....	1	0	St. Vincent.....	2	0
Thailand.....	1	1	Trinidad.....	26	5
Australasia:			Virgin Islands.....	1	0
Australia.....	3	27	South America:		
Hawaii.....	18	0	Argentina.....	1	4
New Caledonia.....	3	0	Brazil.....	27	8
New Hebrides.....	0	1	British Guiana.....	2	0
New Zealand.....	3	3	Colombia.....	8	5
Philippines.....	1	0	Ecuador.....	2	0
Queensland.....	1	0	Peru.....	10	0
Samoa.....	0	1	Uruguay.....	3	2
Europe:			Venezuela.....	25	4
Azores.....	0	1	Total:		
England.....	73	15	Africa.....	33	7
Ireland.....	1	4	Asia.....	20	15
Italy.....	1	1	Australasia.....	29	32
Portugal.....	14	14	Europe.....	97	37
Scotland.....	7	0	North America.....	2, 442	522
Spain.....	1	1	South America.....	78	23
Wales.....	0	1	Unknown.....	11	0
North America:			Total.....	2, 710	636
Bermuda.....	4	1	Total (common pests,		
Canada.....	28	10	p. 3).....	29, 523	16, 691
British Columbia.....	2	0	Total (incompletely de-		
Central America.....			termined pests p. 4).....	4, 501	6, 251
British Honduras.....	2	0	Entomogenous fungi.....		39
Canal Zone.....	25	0	Total insects.....	36, 734	
Costa Rica.....	35	1	Total diseases.....		23, 617
Guatemala.....	13	4	Grand total.....		60, 351
Honduras.....	28	2			
Nicaragua.....	4	7			

NOTE.—In addition to the countries named above, interceptions including common pests (p. 3) and incompletely determined pests (p. 4) were made from Africa, American Samoa, Antipodes, Aruba, Bolivia, British East Africa, Canton Island, Ceylon, Chile, Curacao, Dutch Guiana, Fiji Islands, France, Madeira Islands, New Guinea, Nigeria, North Africa, Oceania, Paraguay, Sierra Leone, Tahiti, Taiwan, Tonga Islands, West Indies, and Yugoslavia.

List of pests collected and reported from July 1, 1942, to June 30, 1943, inclusive

[All findings with an asterisk indicate State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Con- sump- tion	Non- entry	Prop- aga- tion	
<i>Acanthoscelides alticola</i> (Sharp) (Bruchidae).					
<i>Cassia occidentalis</i> (coffee senna).....	Canal Zone.....			1	N. J.
<i>Acanthoscelides ceratioborus</i> (Philippi) (Bruchidae):					
<i>Caesalpinia</i> sp.....	Peru.....	1			N. Y.
<i>Prosopis chilensis</i> (algarrobo).....	do.....	1		1	N. J., N. Y.
<i>Acanthoscelides dominicanus</i> (Jek.) (Bruchidae):					
<i>Caesalpinia coriaria</i> (divi-divi).....	Colombia, Dominican Republic, Mexico, Salvador, Mexico.....	9		2	Fla.*, La., N. J., N. Y., Tex.
<i>Caesalpinia</i> sp.....	Mexico.....	1			N. Y.
<i>Acanthoscelides flexicaulis</i> (Schffr.) (Bruchidae):					
<i>Pithecellobium flexicaule</i> (ebony apes-carrin).....	do.....	1			Tex.
<i>Acanthoscelides griseolus</i> (Fall) (Bruchidae):					
<i>Sesbania</i> sp.....	do.....	1			Calif.
<i>Acanthoscelides sallaei</i> (Sharp) (Bruchidae):					
<i>Rosa</i> sp.....	do.....	1			Tex.
<i>Acanthoscelides spinipes</i> (Er.) (Bruchidae):					
<i>Acacia farnesiana</i> (sweet acacia).....	Uruguay.....			3	D. C., N. J., N. Y.
<i>Acinaces lebei</i> Gerst. (Endomychidae):					
<i>Oryza sativa</i> (rice).....	Brazil.....	1			N. Y.
<i>Actenodes mender</i> Horn (Buprestidae):					
<i>Ananas comosus</i> (pineapple).....	Mexico.....	1			Tex.
<i>Adelphocoris rapidus</i> (Say) (Miridae):					
<i>Chrysanthemum</i> sp.....	do.....	1			Tex.
<i>Adistemia watsonia</i> (Woll.) (Lathridiidae):					
<i>Guilfoylia monostylis</i>	Australia.....	1			N. Y.
<i>Adranethrips tibialis</i> Hood (Phlaeothripidae):					
<i>Musa paradisiaca sapientum</i> (banana).....	Cuba.....	1			Fla.*
<i>Aeolus pulchellus</i> Cand. (Elateridae):					
Orchid.....	Mexico.....			1	Tex.
<i>Aganactes indecora</i> Dyar (Galleriidae):					
<i>Cassia grandis</i> (pinkshower).....	Trinidad.....	2			N. J.
<i>Agromyza virens</i> Loew (Agromyzidae):					
<i>Daucus carota sativa</i> (carrot).....	Mexico.....	2			Tex.
<i>Phaseolus</i> sp. (string bean).....	do.....	14			Ariz., Tex.
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae):					
<i>Citrus sinensis</i> (orange).....	do.....	2			Ariz.
<i>Citrus</i> sp.....	Cuba.....	1			Fla.*
<i>Aleuroplatus myricae</i> (Q.) (Aleyrodidae):					
<i>Epigaea repens</i> (trailing arbutus).....	Canada.....	2			Mass.
<i>Aleurothrixus howardi</i> (Q.) (Aleyrodidae):					
<i>Citrus</i> sp.....	Puerto Rico.....	1			Fla.*
<i>Alpheias conspirata</i> Hein. (Galleriidae):					
<i>Ananas comosus</i> (pineapple).....	Mexico.....	26			Ariz., Tex.
<i>Amphicerus cornutus</i> (Pallas) (Bostrichidae):					
<i>Agave rigida sisalana</i> (sisal hemp).....	do.....	1			Tex.
<i>Agave</i> sp.....	do.....	1			Tex.
Bamboo.....	do.....	2			Ariz.
Herb.....	do.....	2			Tex.
Manganese.....	do.....		1		Tex.
<i>Sapindus</i> sp. (soapberry).....	do.....	2			Tex.
<i>Solanum melongena</i> (eggplant).....	do.....	1			Ariz.
Wood bracing in railroad car.....	do.....		1		Ariz.
<i>Anacetrinus deplanatus</i> Csy. (Curculionidae):					
<i>Lactuca sativa</i> (lettuce).....	do.....	1			Tex.
<i>Anaphothrips orchidaceus</i> Bagn. (Thripidae):					
<i>Miltonia</i> sp. (orchid).....	England.....			1	Hawaii.*
<i>Anaphothrips orchidii</i> (Mlt.) (Thripidae):					
<i>Cattleya</i> sp. (orchid).....	do.....			1	N. J.
<i>Anastrepha fraterculus</i> (Wied.) (Tephritidae):					
<i>Citrus sinensis</i> (orange).....	Brazil.....		1		N. Y.

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<i>Anastrepha fraterculus</i> (Wied.) (?) (Tephritidae):					
<i>Citrus sinensis</i>	Brazil.....		2		La., N. Y.
<i>Coffea arabica</i> (Arabian coffee).....	do.....			1	D. C.
<i>Anastrepha ludens</i> (Loew) (Tephritidae):					
<i>Citrus aurantifolia</i> (sweet lime).....	Mexico.....	5			Tex.
<i>Citrus aurantium</i> (sour orange).....	do.....	2			Tex.
<i>Citrus paradisi</i> (grapefruit).....	do.....	2			Tex.
<i>Citrus sinensis</i> (orange).....	Guatemala, Mexico.....	71	2		Tex.
<i>Cydonia oblonga</i> (quince).....	Mexico.....	2			Tex.
<i>Mammea americana</i> (mamey).....	do.....	1			Tex.
<i>Mangifera indica</i> (mango).....	Cuba, Mexico (1 in rail- way car).....	25	1		Ariz., La., Tex.
<i>Persea americana</i> (avocado).....	Mexico.....	5			Tex.
<i>Punica granatum</i> (pomegranate).....	do.....	3			Tex.
Empty refrigerator car.....	do.....		6		Tex.
Sapote.....	do.....	1	1		Tex.
<i>Anastrepha mombinpraeoptans</i> Sein (Tephritidae):					
<i>Mangifera indica</i> (mango).....	American Virgin Islands, Haiti, Jamaica, Puerto Rico.....	1	5		Fla., P. R.
<i>Anastrepha serpentina</i> (Wied.) (Tephritidae):					
<i>Achras zapota</i> (sapodilla).....	Guatemala.....		1		Fla.*
<i>Mammea americana</i> (mamey).....	Mexico.....	5			Ariz., Tex.
<i>Anuraphis helichrysi</i> (Kalt.) (Aphididae):					
<i>Myrtillocactus grandiaerolatus</i> (cactus).....	do.....			1	Tex.
<i>Aonidia lauri</i> (Bouche) (Coccidae):					
<i>Laurus nobilis</i> (Grecian laurel).....	Cyprus.....	2			N. Y.
<i>Aonidiella comperei</i> McKenzie (Coccidae):					
<i>Citrus grandis</i> (pomelo).....	Thailand.....	1			N. Y.
<i>Aonidiella inornata</i> McKenzie (Coccidae):					
<i>Jasminum sambac</i> (Arabian jasmine).....	Hawaii.....			1	Calif.*
<i>Aphodius granarius</i> (L.) (Scarabaeidae):					
<i>Lycopersicon esculentum</i> (tomato).....	Mexico.....	2			Ariz., Tex.
<i>Arellius albopunctatus</i> (Deg.) (Pentatomidae):					
<i>Capsicum frutescens</i> (pepper).....	do.....	4			Ariz.
<i>Aspidiotus covilleae</i> Ferris (Coccidae):					
<i>Echinocereus</i> sp.....	do.....			1	Ariz.
<i>Plumeria</i> sp.....	do.....			1	D. C.
<i>Aspidiotus degeneratus</i> (Leon) (?) (Coccidae):					
<i>Odontoglossum rossi</i> (orchid).....	do.....			1	N. J.
<i>Aspidiotus destructor</i> Sign. (Coccidae):					
<i>Carica papaya</i> (papaya).....	Cuba.....	3			Fla.*
<i>Musa paradisiaca sapientum</i> (banana).....	British Honduras, Costa Rica, Cuba, Guatema- la, Honduras, Panama. Honduras.....	42			Calif., Fla.*
Palm.....	Honduras.....	1			Fla.*
<i>Sechium edule</i> (chayote).....	Cuba.....	1			Fla.*
<i>Aspidiotus excisus</i> Green (Coccidae):					
<i>Cocos nucifera</i> (coconut).....	Trinidad.....	1			N. J.
<i>Aspidiotus forbesi</i> Johns. (Coccidae):					
<i>Malus pumila</i> (apple).....	Mexico.....	2			Ariz.
<i>Aspidiotus herculeanus</i> Doane & Haddon (Coccidae):					
<i>Hymenaea courbaril</i> (courbaril).....	Trinidad.....	1			N. Y.
<i>Aspidiotus palmarum</i> (Ckll.) (Coccidae):					
<i>Gardenia jasminoides</i> (Cape-jasmine).....	Venezuela.....		1		Fla.*
<i>Musa paradisiaca sapientum</i> (banana).....	Costa Rica, Honduras, Panama.....	13			Calif., Fla.*
<i>Aspidiotus spinosus</i> Comst. (Coccidae):					
Sapote.....	Cuba.....		1		Fla.*
<i>Asterolecanium bambusae</i> (Bdv.) (Coccidae):					
Bamboo.....	Mexico.....	1			Ariz.
<i>Asterolecanium epidendri</i> (Bouche) (Coccidae):					
<i>Brassia</i> sp. (orchid).....	Costa Rica.....			1	N. J.
<i>Cattleya dowiana</i> (orchid).....	Canal Zone, Costa Rica.....			2	Calif., N. J.
<i>Epidendrum</i> sp. (orchid).....	Unknown (soldier's mail).....			1	N. J.
<i>Asterolecanium palmarum</i> Ckll. (Coccidae):					
<i>Cocos nucifera</i> (coconut).....	Jamaica.....	1			Fla.*

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<i>Asterolecanium pustulans</i> (Ckll.) (Coc- cidae):					
<i>Coleus</i> sp.	Cuba		1		Fla.*
<i>Hibiscus</i> sp.	Hawaii			1	Calif.*
<i>Pimenta officinalis</i> (allspice pimenta)	Cuba	1			P. R.
<i>Ataria hubbardi</i> Fisher (Cerambycidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	2			Tex.
<i>Athous subfuscus</i> Mul. (Elateridae):					
Soil around roots of walnut log	England	1			N. Y.
<i>Auseius impressicollis</i> Stal (Coreidae):					
<i>Lycopersicon esculentum</i> (tomato)	Mexico	1			Ariz.
<i>Aulacaspis mangiferae</i> (Newst.) (Coc- cidae):					
<i>Mangifera indica</i> (mango)	Trinidad	1			Fla.*
<i>Autographa brassicae</i> (Riley) (Phalaeni- dae):					
<i>Brassica oleracea botrytis</i> (cauliflower)	Mexico	1			Tex.
<i>Baris aerea</i> (Boh.) (Curculionidae):					
<i>Chrysanthemum</i> sp.	do	1			Tex.
<i>Barypeithes pellucidus</i> Boh. (Curculion- idae):					
<i>Rhododendron</i> sp.	England			1	Wash.
<i>Bitoma brevipes</i> (Sharp) (Colydiidae):					
<i>Sweetenia mahagoni</i> (mahogany)	Mexico	1			Tex.
<i>Bitoma socialis</i> Pasc. (Colydiidae):					
Bark of log	do	1			Tex.
<i>Blissus pulchellus</i> Mont. (Lygaeidae):					
<i>Ananas comosus</i> (pineapple)	do	1			Tex.
<i>Bothrideres setiger</i> Sharp (Colydiidae):					
<i>Sweetenia mahagoni</i> (mahogany)	do	1			Tex.
<i>Brachyrhinus arcticus</i> (O Fabr.) (Curcu- lionidae):					
Sod and moss with top soil	Iceland	1			N. Y.
Sod grass roots	Scotland	1			N. Y.
<i>Brentus mexicanus</i> Boh. (Brentidae):					
Under bark of log	Mexico	2			Tex.
<i>Brochymena sulcata</i> Van D. (Pentatomi- dae):					
<i>Brassica</i> sp. (mustard)	do	1			Tex.
<i>Bruchidius incarnatus</i> Boh. (Bruchidae):					
<i>Lens culinaris</i> (lentil)	Egypt		1		N. Y.
<i>Vicia faba</i> (fava bean)	do		1		N. Y.
<i>Bruchidius villosus</i> (F.) (Bruchidae):					
<i>Cytisus scoparius</i> (Scotch broom)	England			1	N. J.
<i>Bruchus dentipes</i> (Baudi) (Bruchidae):					
<i>Vicia faba</i> (fava bean)	Arabia, Iraq			2	N. J., N. Y.
<i>Bruchus pisi</i> L. (Bruchidae):					
<i>Pisum sativum</i> (pea)	Japan			1	Hawaii.*
<i>Bruchus tristictulus</i> Fahr. (Bruchidae):					
Bean	Portugal	1			N. Y.
<i>Lathyrus</i> sp. (?)	do	1			Pa.
<i>Bruchus ulicis</i> Muls. & Ray (Bruchidae):					
<i>Vicia ervilia</i> (bitter vetch) (?)	Italy	1			N. Y.
<i>Callidium texanum</i> Schaef. (Cerambyci- dae):					
<i>Lycopersicon esculentum</i> (tomato)	Mexico	1			Ariz.
<i>Calligrapha pantherina</i> (Stal) (Chrysomeli- dae):					
<i>Odontoglossum grande</i> (orchid)	Guatemala			1	Calif.*
<i>Callosobruchus analis</i> (F.) (Bruchidae):					
<i>Vigna sinensis</i> (cowpea)	Arabia			1	D. C.
<i>Callosobruchus chinensis</i> (L.) (Bruchidae):					
<i>Cajanus cajan</i> (pigeon pea)	Puerto Rico	1			Tex.
<i>Cicer arietinum</i> (chickpea)	India		2		N. Y.
<i>Pisum sativum</i> (pea)	Union of South Africa		1		N. Y.

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<i>Callosobruchus maculatus</i> (F.) (Bruchidae)					
Bean.....	Mexico.....	1			Tex.
<i>Cajanus cajan</i> (pigeon pea).....	Jamaica.....	5			N. J., N. Y.
<i>Cicer arietinum</i> (chickpea).....	Egypt, Mexico.....	18	3		Ariz., N. Y., Tex.
<i>Lens culinaris</i> (lentil).....	French West Africa.....		1		Pa.
<i>Lycopersicon esculentum</i> (tomato).....	Mexico.....	1			Ariz.
<i>Phaseolus aureus</i> (mung bean).....	Philippines.....	1			Hawaii.*
<i>Phaseolus</i> sp.....	Jamaica.....	1			Hawaii.*
<i>Pisum sativum</i> (pea).....	do.....	1			Hawaii.*
<i>Camptoprosopella media</i> Shewell (Sapromyzidae):					
<i>Capicum frutescens</i> (pepper).....	Mexico.....	1			Ariz.
<i>Carneiocephala nuda</i> Nottingham (Cicadellidae):					
<i>Lactuca sativa</i> (lettuce).....	do.....	1			Tex.
<i>Carneiocephala sagittifera</i> (Uhl.) (Cicadellidae):					
<i>Lactuca sativa</i> (lettuce).....	do.....		2		Tex.
<i>Cartodere ruficollis</i> (Marsh.) (Lathridiidae):					
<i>Agaricus campestris</i> (mushroom).....	Japan.....	1			Hawaii.*
<i>Caryedon fuscus</i> (Goeze) (Bruchidae):					
<i>Samanea saman</i> (raintree saman).....	Hawaii.....	1			Calif.*
<i>Caryobruchus glebitsiae</i> (L.) (Bruchidae):					
<i>Pithecellobium flexicaule</i> (ebony apes-earring).....	Mexico.....		1		Tex.
<i>Catolethrus longulus</i> Boh. (Curculionidae):					
<i>Ananas comosus</i> (pineapple).....	do.....	1			Tex.
<i>Catorama tabaci</i> (Guer.) (Anobiidae):					
<i>Boehmeria nivea</i> (ramie).....	do.....	1			Tex.
<i>Zea mays</i> (corn).....	do.....		1		Tex.
<i>Celama sorghiella</i> (Riley) (Nolidae):					
<i>Sorghum vulgare</i> (sorghum).....	do.....	2			Tex.
<i>Celerio lineata</i> (F.) (Sphingidae):					
<i>Beta vulgaris cicla</i> (Swiss chard).....	do.....	1			Tex.
<i>Ceratitis capitata</i> Wied. (Tephritidae):					
<i>Mangifera indica</i> (mango).....	Hawaii.....	1			Calif.*
On paper wrapper around grapefruit.....	Union of South Africa.....		1		N. Y.
<i>Ceratitis capitata</i> Wied. (?) (Tephritidae):					
<i>Citrus paradisi</i> (grapefruit).....	do.....		2		N. Y., Va.
<i>Citrus sinensis</i> (orange).....	Mozambique, Union of South Africa.....		2		N. Y., Va.
<i>Ceratocapsus apicalis</i> Kngt. (Miridae):					
<i>Lactuca sativa</i> (lettuce).....	Mexico.....	1			Tex.
<i>Ceratocapsus punctulatus</i> (Reut.) (Miridae):					
<i>Lactuca sativa</i> (lettuce).....	do.....	3			Tex.
<i>Raphanus sativus</i> (radish).....	do.....	1			Tex.
<i>Cero-plastes cirripediformis</i> Comst. (Coccidae):					
<i>Piper nigrum</i> (black pepper).....	do.....	1			Ariz.
<i>Ceratomya atrofasciata</i> Jac. (Chrysomelidae):					
<i>Phaseolus</i> sp. (string bean).....	do.....	1			Tex.
<i>Ceutorhynchus pleurostigma</i> Marsh. (Curculionidae):					
<i>Brassica napobrassica</i> (rutabaga).....	England.....		3		N. Y., Pa.
<i>Brassica rapa</i> (turnip).....	do.....		3		La., N. Y., Pa.
<i>Ceutorhynchus quadridens</i> Panz. (Curculionidae):					
<i>Brassica oleracea botrytis</i> (cauliflower).....	do.....		1		Va.
<i>Brassica oleracea capitata</i> (cabbage).....	do.....		1		N. Y.
<i>Brassica rapa</i> (turnip).....	Algeria.....		1		Md.

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<i>Chaetopsis fulvifrons</i> (Macq.) (Otitidae):					
<i>Lactuca sativa</i> (lettuce).....	Mexico.....	1	-----	-----	Tex.
<i>Lycopersicon esculentum</i> (tomato).....	.....do.....	1	-----	-----	Ariz.
<i>Scirpus</i> sp.....	.....do.....	2	-----	-----	Tex.
<i>Chalarus spurius</i> (Fall.) (Dorylaidae):					
<i>Pisum sativum</i> (pea).....	.....do.....	1	-----	-----	Ariz.
<i>Chapuisia mexicana</i> Duges (Chapuisidae):					
<i>Lycopersicon esculentum</i> (tomato).....	.....do.....	2	-----	-----	Ariz.
<i>Chilo loftini</i> Dyar (Crambidae):					
<i>Cymbopogon citratus</i> (lemongrass).....	.....do.....	2	-----	-----	Ariz.
<i>Chilo simplex</i> (Butler) (?) (Crambidae):					
<i>Oryza sativa</i> (rice).....	South Pacific.....	1	-----	-----	N. Y.
<i>Chrysomphalus albopictus</i> (Ckll.) (Coccidae):					
<i>Gardenia jasminoides</i> (Cape-jasmine).....	Mexico.....	-----	1	-----	La.
<i>Musa paradisiaca sapientum</i> (banana).....	Guatemala, Mexico.....	2	-----	-----	Ala., Tex.
<i>Persea americana</i> (avocado).....	Mexico.....	8	-----	-----	Tex.
<i>Chrysomphalus nigropunctatus</i> (Ckll.) (Coccidae):					
<i>Laelia</i> sp. (orchid).....	.....do.....	-----	-----	1	Calif.
<i>Chrysomphalus personatus</i> (Comst.) (Coccidae):					
<i>Mangifera indica</i> (mango).....	Trinidad.....	1	-----	-----	Fla.*
<i>Chrysomphalus scutiformis</i> (Ckll.) (Coccidae):					
<i>Musa paradisiaca sapientum</i> (banana).....	Honduras.....	1	-----	-----	Fla.*
<i>Chrysomphalus smilacis</i> (Comst.) (Coccidae):					
<i>Dasyllirion</i> sp. (sotol).....	Mexico.....	1	-----	-----	Tex.
<i>Chrysomphalus umboniferus</i> (Newst.) (Coccidae):					
<i>Calanthe</i> sp. (orchid).....	Canal Zone.....	-----	-----	1	Calif.*
<i>Dendrobium</i> sp. (orchid).....	.....do.....	-----	-----	1	Calif.*
<i>Epidendrum atropurpureum</i> (orchid).....	.....do.....	-----	-----	1	Calif.*
<i>Epidendrum stamfordianum</i>.....	.....do.....	-----	-----	1	N. J.
<i>Epidendrum</i> sp.....	Guatemala.....	-----	-----	1	Calif.*
<i>Musa paradisiaca sapientum</i> (banana).....	Costa Rica.....	1	-----	-----	Calif.*
<i>Vanilla planifolia</i> (orchid).....	Canal Zone.....	-----	-----	1	Calif.*
<i>Vanilla</i> sp.....	.....do.....	-----	-----	1	Calif.*
<i>Cioctrius dorsivittatus</i> (Van D.) (Fulgoroidea):					
<i>Lycopersicon esculentum</i> (tomato).....	Mexico.....	1	-----	-----	Ariz.
<i>Clepsis busckana</i> Keif. (Tortricidae):					
<i>Cyclamen</i> sp.....	British Columbia.....	-----	-----	1	Wash.
<i>Clerada apicicornis</i> Sign. (Lygaeidae):					
<i>Lilium</i> sp.....	Bermuda.....	1	-----	-----	N. Y.
<i>Clytus arietis</i> L. (Cerambycidae):					
<i>Ulmus</i> sp. (elm).....	England.....	1	-----	-----	N. Y.
<i>Coccus viridis</i> (Green) (Coccidae):					
<i>Gardenia jasminoides</i> (Cape-jasmine).....	Canal Zone, Colombia, Costa Rica, Cuba, Dominican Republic, Honduras, Panama, Puerto Rico, Venezuela.....	19	-----	-----	Fla.*
<i>Coleophora loricella</i> (Hbn.) (Coleophoridae):					
<i>Larix</i> sp. (larch).....	Canada.....	1	-----	-----	Mass.
<i>Ledum</i> spp.....	.....do.....	1	-----	-----	Mass.
<i>Colias eurytheme</i> Bdv. (Pieridae):					
<i>Medicago sativa</i> (alfalfa).....	Mexico.....	1	-----	-----	Tex.
<i>Colobicus parilis</i> Pasc.* (Colydiidae):					
<i>Solanum tuberosum</i> (potato).....	New Zealand.....	-----	2	-----	Pa.
<i>Colydodes gibbiceps</i> (Sharp) (Colydiidae):					
Under bark of log.....	Mexico.....	1	-----	-----	Tex.
<i>Conchaspis angraci</i> Ckll. (Coccidae):					
<i>Oncidium stipitatum</i> (orchid).....	Canal Zone.....	-----	-----	1	Calif.*
<i>Schomburgkia undulata</i> (orchid).....	.....do.....	-----	-----	1	Calif.*
<i>Conoderus exsul</i> (Sharp) (Elateridae):					
Quarters of airplane.....	South Pacific.....	-----	1	-----	Hawaii.*
<i>Conoderus lividus</i> Deg. (Elateridae):					
<i>Lactuca sativa</i> (lettuce).....	Mexico.....	1	-----	-----	Tex.
<i>Conoderus vespertinus</i> (F.) (Elateridae):					
<i>Lactuca sativa</i>.....	.....do.....	1	-----	-----	Tex.
<i>Conotrachelus aguacatae</i> Barber (Curculionidae):					
<i>Persea americana</i> (avocado).....do.....	186	-----	-----	Tex.

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<i>Conotrachelus integer</i> Csy. (Curculioni- dae) <i>Quercus</i> sp. (acorn).....	Mexico.....	32			Ariz., Calif., Tex.
<i>Conotrachelus leucophaeus</i> Fahr. (Cur- culionidae): <i>Lactuca sativa</i> (lettuce).....	do.....	1			Tex.
<i>Conotrachelus seniculus</i> Lec. (Curculioni- dae): <i>Daucus carota sativa</i> (carrot).....	do.....	1			Tex.
<i>Lactuca sativa</i> (lettuce).....	do.....	1			Tex.
<i>Lycopersicon esculentum</i> (tomato).....	do.....	1			Tex.
<i>Medicago sativa</i> (alfalfa).....	do.....	1			Tex.
<i>Persea americana</i> (avocado).....	do.....	1			Tex.
<i>Petroselinum crispum</i> (parsley).....	do.....	1			Tex.
<i>Sorghum vulgare</i> (sorghum).....	do.....	1			Tex.
<i>Corcyra cephalonica</i> (Staint.) (Gallerii- dae): Grass seed.....	Dominican Republic.....			1	P. R.
<i>Phaseolus aureus</i> (mung bean).....	Dutch West Indies.....			1	N. Y.
<i>Cossonus canaliculatus</i> F. (Curculioni- dae): Log.....	Mexico.....	4			Tex.
<i>Crocosema plebeiana</i> Zell. (Olethreuti- dae): <i>Crataegus</i> sp. (red haw).....	do.....	1			Tex.
<i>Cryphula apicatus</i> (Dist.) (Lygaeidae): <i>Ananas comosus</i> (pineapple).....	do.....	1			Tex.
Orchid.....	do.....			1	Tex.
<i>Cryphula parallogramma</i> Stal (Lygaei- dae): <i>Lycopersicon esculentum</i> (tomato).....	do.....	1			Tex.
<i>Curculio q-griseae</i> Chttn. (Curculioni- dae): <i>Quercus</i> sp. (acorn).....	do.....	34			Ariz., Tex.
<i>Cylas formicarius elegantulus</i> (Summers) (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato).....	Cuba, Jamaica, Mexico, Puerto Rico.....	27	27		Ala., Fla., N. Y., Pa., Tex.
<i>Cylas formicarius</i> , prob. subsp. <i>elegantulus</i> (Summers) (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato).....	Cuba, Honduras, Mex- ico.....		14		Ala., Tex.
<i>Cylas formicarius</i> , perhaps subsp. <i>formi- carius</i> F. (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato).....	India.....		2		Ga.
<i>Cylas formicarius</i> (F.), subsp. (?) (Cur- culionidae): <i>Dioscorea</i> sp. (yam).....	Australia.....		1		Calif. *
<i>Cyllene antennatus</i> White (Cerambyci- dae): <i>Prosopis</i> sp. (mesquite).....	Mexico.....	1			Ariz.
<i>Cyllene congener</i> C. & G. (Cerambyci- dae): Bamboo.....	Brazil.....		1		Calif. *
<i>Cyphosterna bicolor</i> Chevr. (Cerambyci- dae): Bamboo.....	Mexico.....	1			Ariz.
<i>Cyrtopeltis varians</i> (Dist.) (Miridae): <i>Lycopersicon esculentum</i> (tomato).....	do.....	1			Ariz.
<i>Dactylosternum abdominale</i> (F.) (Hydro- philidae): <i>Physalis</i> sp. (husk tomato).....	do.....	1			Tex.
<i>Solanum tuberosum</i> (potato).....	do.....		1		Tex.
<i>Deloyala guttata</i> (Oliv.) var. (Chrysome- lidae): Orchid.....	do.....			1	Tex.
<i>Deltocephalus comesus</i> DeL. & S. (Cica- dellidae): <i>Pinus</i> sp. (pine).....	do.....	1			Tex.
<i>Dendrobiella aspera</i> (Lec.) (Bostrichidae): <i>Prosopis</i> sp. (mesquite).....	do.....	1			Calif.
<i>Dercynus micornyx</i> Champ. (Curculioni- dae): <i>Brownea</i> sp.....	Trinidad.....			1	Fla. *
<i>Cynometra trinitensis</i>	do.....			1	Fla. *

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		Con-sump-tion	Non-entry	Prop-aga-tion	
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae):					
<i>Rhododendron</i> sp.	England			1	N. J.
<i>Dialeurodes citri</i> (Ash.) (Aleyrodidae):					
<i>Citrus reticulata</i> (tangerine)	Panama		1		Fla.*
<i>Dialeurodes kirkaldyi</i> (Kot.) (Aleyrodidae):					
<i>Jasminum sambac</i> (Arabian jasmine)	Hawaii			1	Calif.*
<i>Diatraea grandiosella</i> Dyar (Crambidae):					
<i>Zea mays</i> (corn)	Mexico	2			Ariz.
<i>Diatraea saccharalis</i> (F.) (Crambidae):					
<i>Zea mays</i> (corn)	do.	1			Tex.
<i>Dinoderus bifoveolatus</i> Woll. (Bostrichidae):					
<i>Ipomoea purga</i> (jalapa)	India	1			N. Y.
<i>Serjania mexicana</i> (barbasco)	Peru	2			N. Y.
Wood	Mexico	1			Tex.
<i>Dinoderus brevis</i> Horn (Bostrichidae):					
Bamboo	China	1			Tex.
<i>Disonychia militaris</i> Jac. (Chrysomelidae):					
<i>Capsicum frutescens</i> (pepper)	Mexico	1			Ariz.
<i>Dorcus parallelipedus</i> L. (Lucanidae):					
<i>Juglans</i> sp. (walnut)	England	2			N. Y.
<i>Quercus</i> sp. (oak)	do.	1			N. Y.
<i>Dorytomus luridus</i> (Mann.) (Curculionidae):					
<i>Conrallaria majalis</i> (lily-of-the-valley)	Canada	2			Wash.
<i>Draeculacephala lenticula</i> Ball (Cicadellidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Draeculacephala minerva</i> Ball (Cicadellidae):					
<i>Apium graveolens</i> (celery)	do.	1			Tex.
<i>Lactuca sativa</i> (lettuce)	do.	1			Tex.
<i>Drasterius livens</i> Lec. (Elateridae):					
<i>Beta vulgaris</i> (beet)	do.	1			Tex.
<i>Drasterius scutellatus</i> Schfr. (Elateridae):					
In cabin of airplane	Canal Zone		1		Tex.
<i>Brassica oleracea capitata</i> (cabbage)	Mexico	1			Tex.
<i>Citrus sinensis</i> (orange)	do.		1		Tex.
<i>Persea americana</i> (avocado)	do.	1			Tex.
<i>Dryocoetes villosus</i> (F.) (Scolytidae):					
<i>Quercus</i> sp. (oak)	England	1			N. Y.
<i>Edessa cornuta</i> Burm. (Pentatomidae):					
Orchid	Mexico			1	Tex.
<i>Elasmopalpus lignosellus</i> (Zell.) (Phycitidae):					
<i>Phaseolus</i> sp. (string bean)	do.	1			Ariz.
<i>Empoasca solana</i> DeL. (Cicadellidae):					
<i>Lactuca sativa</i> (lettuce)	do.	4			Ariz., Tex.
<i>Phaseolus</i> sp. (string bean)	do.	1			Ariz.
<i>Epicaerus cognatus</i> Sharp (Curculionidae):					
<i>Solanum tuberosum</i> (potato)	do.	1			Tex.
<i>Epicauta callosa</i> Lec. (Meloidae):					
<i>Ananas comosus</i> (pineapple)	do.	1			Tex.
<i>Epicauta nigritarsis</i> Lec. (Meloidae):					
<i>Ananas comosus</i> (pineapple)	do.	1			Tex.
<i>Lactuca sativa</i> (lettuce)	do.	1			Tex.
<i>Epicauta tenella</i> (Lec.) (Meloidae):					
<i>Solanum tuberosum</i> (potato)	do.	1			Ariz.
<i>Epicauta virgulata</i> (Lec.) (Meloidae):					
Mixed vegetables	do.	1			Ariz.
<i>Epilachna varivestis</i> Muls. (Coccinellidae):					
<i>Lactuca sativa</i> (lettuce)	do.	1			Tex.
<i>Phaseolus</i> sp. (string bean)	do.	2			Tex.
<i>Epinotia opposita</i> Hein. (Olethreutidae):					
<i>Phaseolus</i> sp. (string bean)	do.	118	1		Ariz., Tex.
<i>Epirix fasciata</i> Blatch. (Chrysomelidae):					
<i>Lycopersicon esculentum</i> (tomato)	do.	2			Ariz., Tex.
<i>Epirix hirtipennis</i> (Melsh.) (Chrysomelidae):					
<i>Lactuca sativa</i> (lettuce)	do.	1			Tex.
<i>Lycopersicon esculentum</i> (tomato)	do.	1			Ariz.
<i>Ereunetis flavistriata</i> (Walsm.) (Tineidae):					
<i>Cocos nucifera</i> (coconut)	Hawaii	1	1		Calif.*

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<i>Erynephalia puncticollis</i> (Say) (Chrysomelidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Eucalymnatus tessellatus</i> (Sign.) (Coccidae):					
<i>Gardenia jasminoides</i> (Cape-jasmine)	Colombia, Mexico, Panama.	9	2		Fla.*, Tex..
<i>Eumecosomyia nubila</i> (Wied.) (Otitidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Physalis</i> sp. (husk tomato)	do.	2			Tex.
<i>Scirpus</i> sp. (tule)	do.	1			Tex.
<i>Zea mays</i> (corn)	do.	361	5		Ariz., Tex.
<i>Euphoria kerni</i> Hald. (Scarabaeidae):					
<i>Chrysanthemum maximum</i> (shasta daisy).	do.	1			Tex.
Daisy	do.	1			Tex.
<i>Rosa</i> sp. (rose)	do.	1			Tex.
<i>Euphoria nitens</i> Csy. (Scarabaeidae):					
<i>Ananas comosus</i> (pineapple)	do.	1			Tex.
<i>Eurycippitia vestitus</i> Dist. (Miridae):					
Orchid	do.			2	Tex.
<i>Eurytoma orchidearum</i> (Westw.) (Eurytomidae):					
<i>Cattleya</i> sp. (orchid)	Venezuela			2	N. J.
<i>Euscepes postfasciatus</i> (Fairm.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato)	Barbados, Brazil, Cuba, Peru, Puerto Rico, Trinidad.	20			Ala., Fla.*, La., Mass., N. Y.
<i>Euresta notata</i> (Wied.) (Otitidae):					
<i>Cucurbita maxima</i> (squash)	Mexico	3			Tex.
<i>Euresta sororcula</i> (Wied.) (Otitidae):					
<i>Persea americana</i> (avocado)	do.	1			Tex.
<i>Euresta stigmatias</i> Loew (Otitidae):					
<i>Zea mays</i> (corn)	do.	57			Ariz., Tex.
<i>Everes comyntas</i> (Godart) (Lycaenidae):					
<i>Phaseolus</i> sp. (string bean)	do.	19			Tex.
<i>Pisum sativum</i> (pea)	do.	1			Tex.
<i>Evergestis rimosalis</i> (Guen.) (Pyraustidae):					
<i>Brassica oleracea botrytis</i> (cauliflower)	do.	3			Tex.
<i>Brassica oleracea capitata</i> (cabbage)	do.	3			Tex.
<i>Brassica rapa</i> (turnip)	do.	1			Tex.
<i>Rorippa nasturtium-aquaticum</i> (watercress).	do.	1			Tex.
<i>Eritianus obscurinervis</i> (Stal) (Cicadellidae):					
<i>Lycopersicon esculentum</i> (tomato)	do.	1			Ariz.
<i>Erptochiomera caeca</i> (Dist.) (Lygaeidae):					
<i>Capsicum frutescens</i> (pepper)	do.	1			Tex.
<i>Faustinus cubae</i> (Boh.) (Curculionidae):					
<i>Capsicum frutescens</i>	Trinidad		1		Md.
<i>Feltia subterranea</i> (F.) (Phalaenidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Forcipomyia raleighi</i> Macfie (Heleidae):					
<i>Lilium longiflorum</i> (Easter lily)	do.			1	Tex.
<i>Forficula auricularia</i> L. (Forficulidae):					
<i>Secale cereale</i> (rye)	Portugal	1			Pa.
<i>Frankliniella cephalica</i> (Crawf.) (Thripidae):					
<i>Beta vulgaris</i> (beet)	Mexico	1			Tex.
<i>Frankliniella fortissima</i> Pr. (Thripidae):					
<i>Ananas comosus</i> (pineapple)	do.	1			Ariz.
<i>Lycopersicon esculentum</i> (tomato)	do.	1			Ariz.
<i>Frankliniella fusca</i> (Hinds) (Thripidae):					
<i>Amaryllis</i> sp.	do.			1	Tex.
<i>Gladiolus</i> sp.	Canada	1			Minn.
<i>Iris</i> sp.	do.	1			Minn.
<i>Frankliniella insularis</i> (Franklin) (Thripidae):					
<i>Dahlia</i> sp.	Dominican Republic		1		Fla.*
<i>Rosa</i> sp.	Bahamas, Dominican Republic.		2		Fla.*
<i>Frankliniella stylosa</i> Hood (Thripidae):					
<i>Oenothera</i> sp.	Canada	1			N. Y.
<i>Franklinothrips respiformis</i> (Crawf.) (Acolothripidae):					
<i>Brassica chinensis</i> (Chinese cabbage).	Mexico	1			Calif.
<i>Capsicum frutescens</i> (pepper)	do.	1			Ariz.
<i>Lycopersicon esculentum</i> (tomato)	do.	1			Ariz.

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<i>Furcaspis biformis</i> (Ckll.) (Coccidae):					
<i>Cattleya granulosa</i> (orchid).....	Canal Zone.....			1	Calif.*
<i>Cattleya percutiana</i>	Venezuela.....			1	P. R.
<i>Cattleya</i> sp.....	British Guiana, Pana- ma, Trinidad, Un- known (soldier's mail).			4	N. J.
<i>Dendrobium</i> sp. (orchid).....	St. Vincent.....			1	N. J.
<i>Epidendrum atropurpureum</i> (orchid)...	Canal Zone.....			1	Calif.*
<i>Laelia</i> sp. (orchid).....	Unknown (soldier's mail)			1	Tex.
<i>Oncidium panamense</i> (orchid).....	Mexico.....			1	Calif.*
<i>Oncidium stipitatum</i>	Canal Zone.....			1	Calif.*
<i>Oncidium</i> sp.....	Trinidad.....			1	N. J.
Orchid.....	Colombia.....			1	Fla.*
<i>Vanda</i> sp. (orchid).....	Hawaii, St. Vincent.....			2	Calif.*, N. J.
<i>Galgapha punctifer</i> McA. & M. (Cydni- dae):					
Orchid.....	Mexico.....			1	Tex.
<i>Geocoris lividipennis</i> Stal (Lygaeidae):					
<i>Spinacia oleracea</i> (spinach).....	do.....	1			Ariz.
<i>Geocoris sonoraensis</i> Van D. (Lygaeidae):					
<i>Portulaca oleracea</i> (purslane).....	do.....	1			Calif.
<i>Geocoris uliginosus speculator</i> Montandon (Lygaeidae):					
<i>Petroselinum crispum</i> (parsley).....	do.....	1			Calif.
<i>Glyphonyx propinquus</i> Champ. (Elateri- idae):					
<i>Capsicum frutescens</i> (pepper).....	do.....	1			Tex.
<i>Gnathotrichus denticulatus</i> Blackman (Scolytidae):					
<i>Lycopersicon esculentum</i> (tomato).....	do.....	1			Ariz.
<i>Gnorimoschema gudmannella</i> (Wism.) (Gelechiidae):					
<i>Capsicum frutescens</i> (pepper).....	do.....	71			Ariz., Tex.
<i>Haplothrips gowdeyi</i> (Fr.) (Phlaeothripi- dae):					
<i>Bougainvillea</i> sp.....	Hawaii.....		1		Calif.*
<i>Heliodines bella</i> (Chamb.) (Heliodinidae):					
<i>Medicago sativa</i> (alfalfa).....	Mexico.....	1			Tex.
<i>Portulaca oleracea</i> (purslane).....	do.....	41			Ariz., Calif., Tex.
<i>Zea mays</i> (corn).....	do.....	1			Ariz.
<i>Heliothis subflexa</i> (Guen.) (Phalaenidae):					
<i>Physalis</i> sp. (husk tomato).....	do.....	30			Tex.
<i>Hellula phidilealis</i> (Wlk.) (Pyraustidae):					
<i>Brassica hirta</i> (white mustard).....	do.....	34			Calif.
<i>Brassica</i> sp. (mustard).....	do.....	2			Calif.
<i>Hellula undalis</i> (F.) (Pyraustidae):					
<i>Brassica chinensis</i> (Chinese mustard).....	do.....	2			Ariz.
<i>Brassica hirta</i> (white mustard).....	do.....	22			Calif.
<i>Brassica rapa</i> (turnip).....	do.....	6			Calif., Tex.
<i>Brassica</i> sp. (mustard).....	do.....	1			Calif.
<i>Lactuca sativa</i> (lettuce).....	do.....	1			Tex.
<i>Raphanus sativus</i> (radish).....	do.....	1			Tex.
<i>Heraeus eriminus</i> Dist. (Lygaeidae):					
<i>Stanhopea</i> sp. (orchid).....	do.....			1	Tex.
<i>Heraeus illitus</i> Dist. (Lygaeidae):					
In cabin of airplane.....	Canal Zone or Guate- mala.....		1		Tex.
<i>Hercinotrips bicinctus</i> (Wms.) (Thripi- dae):					
<i>Cypripedium</i> sp. (orchid).....	England.....			2	N. J.
<i>Hermetia illucens</i> (L.) (Stratiomyidae):					
<i>Brassica hirta</i> (white mustard).....	Mexico.....	1			Calif.
<i>Heterobostrychus aequalis</i> (Waterh.) (Bos- trichidae):					
Wood.....	India.....	1			Oreg.
<i>Hoplandrothrips ranthopoides</i> Bagn. (Phlaeothripidae):					
<i>Cattleya</i> sp. (orchid).....	Colombia.....			1	N. J.
<i>Hypnoidus riparius</i> (F.) (Elateridae):					
Sod used as ballast.....	Iceland, Scotland.....	3			Mass., N. Y.
<i>Hypogeocoris imperialis</i> (Dist.) (Lygaei- dae):					
<i>Gossypium</i> sp. (cotton).....	Mexico.....		1		Tex.
<i>Hypsclonotus fulvus venosus</i> F. (Coreidae):					
<i>Sechium edule</i> (chayote).....	do.....	1			Tex.
<i>Ips integer</i> Eichh. (Scolytidae):					
Wood.....	do.....	1			Tex.

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<i>Ischnodemus umbratus</i> Dist. (Lygaeidae):					
<i>Ananas comosus</i> (pineapple)	Mexico	1			Tex.
<i>Kakimia aquilegiae</i> (Essig) (Aphidae):					
<i>Aquilegia</i> sp. (columbine)	Canada			1	N. J.
<i>Lasconotus arrowi</i> Hinton (Colydiidae):					
<i>Lycopersicon esculentum</i> (tomato)	Mexico	1			Ariz.
<i>Laspeyresia leguminis</i> Heinrich (Olethreutidae):					
<i>Phaseolus</i> sp. (string bean)	do	4			Ariz.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae):					
<i>Castanea</i> sp. (chestnut)	Portugal	8			Pa.
<i>Lecanium corni</i> Bouche (Coccidae):					
<i>Sorbus</i> sp.	England			1	N. J.
<i>Lecanium fletcheri</i> Ckll. (Coccidae):					
<i>Tsuga</i> sp. (hemlock)	Canada	1			Mass.
<i>Leiopus nebulosus</i> (L.) (Cerambycidae):					
<i>Betula</i> sp. (birch)	England	1			N. Y.
<i>Leperisinus frazini</i> (Panz.) (Scolytidae):					
<i>Fraxinus</i> sp. (ash)	do	19			N. Y.
<i>Lepidosaphes alba</i> (Ckll.) (Coccidae):					
<i>Manihot</i> sp.	Peru			1	N. J.
<i>Lepidosaphes peninsularis</i> Ferris (Coccidae):					
<i>Euphorbia antisiphilitica</i> (wax euphorbia)	Mexico			1	N. J.
<i>Lepidosaphes philococcus</i> (Ckll.) (Coccidae):					
<i>Cactus</i>	do	1		1	Tex.
<i>Echinocereus</i> sp. (cactus)	do			1	Tex.
<i>Lemaireocereus chende</i> (cactus)	do			1	Tex.
<i>Lepidosaphes tokionis</i> (Kuw.) (Coccidae):					
<i>Codiaeum</i> sp.	Hawaii			1	Calif.*
<i>Lepidosaphes tuberculata</i> (Malen.) (Coccidae):					
<i>Cymbidium</i> sp. (orchid)	England			7	N. J.
<i>Leptipsius striatus</i> (Lec.) (Monotomidae):					
<i>Swietenia mahagoni</i> (mahogany)	Mexico	2			Tex.
<i>Zea mays</i> (corn)	do	2			Tex.
<i>Leptocera fontinalis</i> (Fall.) (Cypselidae):					
<i>Phaseolus</i> sp. (string bean)	do	1			Tex.
<i>Raphanus sativus</i> (radish)	do	1			Tex.
<i>Leptophobia aripa</i> (Bdv.) (Pteridae):					
<i>Brassica oleracea botrytis</i> (cauliflower)	do	1			Tex.
<i>Leptostylus gibbulosus</i> Bates (Cerambycidae):					
Seed	Nicaragua	1			Tex.
<i>Lerina incarnata</i> Wlk. (Arctiidae):					
<i>Ferocactus</i> sp. (cactus)	Mexico			1	Tex.
<i>Leucaspis cockerelli</i> (de Charmoy) (Coccidae):					
<i>Aspasia</i> sp. (orchid)	Canal Zone			1	N. J.
<i>Citrus sinensis</i> (orange)	Colombia			1	Fla.*
<i>Zygopetalum burtii</i> (orchid)	Canal Zone			1	N. J.
<i>Leucinodes elegantalis</i> Guen. (Pyraustidae):					
<i>Lycopersicon esculentum</i> (tomato)	Mexico	16			Tex.
<i>Leucopocella albofasciata</i> Reut. (Miridae):					
<i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Lichtensia lutea</i> (Ckll.) (Coccidae):					
<i>Codiaeum</i> sp. (croton)	do			2	Tex.
<i>Ligyrocoris aurivilliana</i> Dist. (Lygaeidae):					
<i>Cactus</i>	do			1	Tex.
<i>Lactuca sativa</i> (lettuce)	do	3			Tex.
<i>Phaseolus</i> sp. (string bean)	do	1			Ariz.
<i>Physalis</i> sp. (husk tomato)	do	1			Tex.
<i>Ligyrocoris litigiosus</i> (Stal) (Lygaeidae):					
<i>Ananas comosus</i> (pineapple)	do	1			Tex.
<i>Ligyrocoris nitidicollis</i> (Stal) (Lygaeidae):					
<i>Ananas comosus</i>	do	1			Tex.
Cut flowers	do	1			Tex.
<i>Ligyrocoris nitidulus</i> (Uhl.) (Lygaeidae):					
<i>Brassica</i> sp. (mustard)	do	1			Tex.
<i>Lineodes int egra</i> (Zell.) (Pyraustidae):					
<i>Lycopersicon esculentum</i> (tomato)	do	2			Ariz., Tex.
<i>Solanum melongena</i> (eggplant)	do	1			Ariz.

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<i>Liothrips vaneeckei</i> Pr. (Thripidae):					
<i>Lilium pyrenaicum</i> (Pyrenees lily)	British Columbia			1	N. J.
<i>Lilium umbellatum</i> (western orange-cup lily)	Canada			1	N. J.
<i>Lilium</i> sp.	England			1	N. J.
<i>Listronotus oregonensis</i> Lec. (Curculionidae):					
<i>Daucus carota sativa</i> (carrot)	Mexico	1			Tex.
<i>Lixus mucronatus</i> (Ol.) (Curculionidae):					
<i>Apium graveolens</i> (celery)	Portugal		1		Md.
<i>Lophocaretes pusillus</i> (Klug) (Ostomidae):					
<i>Cicer arietinum</i> (garbanzo)	Mexico	1			Tex.
<i>Hibiscus sabdariffa</i> (roselle)	Brazil			1	D. C.
<i>Lorita abornana chatka</i> Busck (Phalacnidae):					
<i>Capsicum frutescens</i> (pepper)	Mexico	3			Ariz.
<i>Lygaeus circumlinitus</i> Distant (Lygaeidae):					
Orchid	do			1	Tex.
<i>Lygaeus lateralis</i> Dallas (Lygaeidae):					
<i>Citrus aurantifolia</i> (sour lime)	do	1			Tex.
<i>Lygaeus pulchellus</i> F. (Lygaeidae):					
<i>Lycopersicon esculentum</i> (tomato)	do	1			Ariz.
<i>Lygaeus vittiscutis</i> Stal (Lygaeidae):					
Log	do	1			Tex.
<i>Lygus elisus</i> Van D. (Miridae):					
<i>Brassica rapa</i> (turnip)	do	1			Tex.
<i>Brassica</i> sp. (mustard)	do	1			Calif.
<i>Portulaca oleracea</i> (purslane)	do	1			Tex.
<i>Lygus kalmii</i> (L.) (Miridae):					
<i>Brassica oleracea capitata</i> (cabbage)	England	1			N. Y.
<i>Lygus oblineatus</i> (Say) (Miridae):					
<i>Beta vulgaris</i> (beet)	Mexico	1			Tex.
<i>Brassica hirta</i> (white mustard)	do	2			Calif.
<i>Brassica oleracea botrytis</i> (cauliflower)	do	2			Tex.
<i>Brassica rapa</i> (turnip)	do	1			Tex.
<i>Brassica</i> sp. (mustard)	do	3			Tex.
<i>Lactuca sativa</i> (lettuce)	do	3			Tex.
<i>Spinacia oleracea</i> (spinach)	do	1			Calif.
<i>Lygus sallei</i> Stal (Miridae):					
<i>Chrysanthemum parthenium</i> (feverfew)	do	1			Tex.
<i>Lactuca sativa</i> (lettuce)	do	3			Tex.
<i>Tagetes</i> sp. (marigold)	do	1			Tex.
<i>Macrosiphum rubellum</i> (Theob.) (Aphididae):					
<i>Rubus</i> sp.	England			1	N. J.
<i>Macrosteles divisus</i> (Uhl.) (Cicadellidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Marava wallacei</i> (Dohrn) (Labiidae):					
<i>Triticum aestivum</i> (wheat)	Australia	1			Wash.
<i>Maruca testulalis</i> (Geyer) (Pyraustidae):					
<i>Phaseolus</i> sp. (string bean)	Cuba, Mexico	3	1		Ala., Tex.
<i>Melanotus rufipes</i> (Hbst.) (Elateridae):					
<i>Juglans</i> sp. (walnut)	England				N. Y.
<i>Quercus</i> sp. (oak)	do				N. Y.
Soil around roots of walnut log	do				N. Y.
<i>Melanthrips fuscus</i> (Sulz.) (Acolothripidae):					
<i>Dianthus</i> sp. (carnation)	Portugal	1			N. Y.
<i>Merragata hebrides</i> White (Hebridae):					
<i>Rorippa nasturtium aquaticum</i> (watercress)	Mexico	1			Tex.
<i>Metamasius callizona</i> (Chev.) (Curculionidae):					
<i>Ananas comosus</i> (pineapple)	do	1			Tex.
<i>Metamasius sericeus</i> (Oliv.) (Curculionidae):					
Banana debris	Ecuador	1			La.
<i>Musa paradisiaca sapientum</i> (banana)	Costa Rica, Panama	10			Calif.*
<i>Metrona emarginata</i> (Boh.) (Chrysomelidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Micrapate labialis</i> Les. (Bostrichidae):					
<i>Sambucus</i> sp. (elder)	do	1			N. Y.
<i>Micrelus ericae</i> Gyll. (Curculionidae):					
<i>Calluna vulgaris</i> (heather)	Scotland	1			Wash.

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<i>Monanthia monotropidia</i> Stal (Tingitidae): <i>Lycopersicon esculentum</i> (tomato).....	Mexico.....	1			Tex.
<i>Moodna bisinuella</i> Hamp. (Phycitidae): <i>Zea mays</i> (corn).....	do.....	60	1		Tex.
<i>Mordellistena cattleyana</i> Champ. (Mordellidae): <i>Cattleya dowiana</i> (orchid).....	do.....			1	Tex.
<i>Myodocha longicollis</i> Stal (Lygaeidae): Orchid.....	do.....			1	Tex.
<i>Nabis alternatus</i> Parsh. (Nabidae): <i>Brassica</i> sp. (mustard).....	do.....	1			Tex.
<i>Lactuca sativa</i> (lettuce).....	do.....	1			Tex.
<i>Medicago sativa</i> (alfalfa).....	do.....	1			Tex.
<i>Raphanus sativus</i> (radish).....	do.....	1			Tex.
<i>Nabis capsiformis</i> Germar (Nabidae): <i>Lactuca sativa</i> (lettuce).....	do.....	2			Tex.
<i>Nasutitermes cornigera</i> Motsch. (Termitidae): <i>Caesalpinia</i> sp.....	Nicaragua.....	1			Calif.*
Log.....	Mexico.....	1			Tex.
Orchid.....	Unknown (soldier's mail).			2	Tex.
<i>Neoclytus cacticus</i> Chev. (Cerambycidae): <i>Guajacum officinale</i> (lignumvitae).....	Jamaica, Mexico.....	3			Ariz., N. Y.
<i>Neodryocoetes hubbardi</i> Blackm. (Scolytidae): <i>Cola</i> sp.....	Haiti.....	1			N. Y.
<i>Nicentrus testaceus</i> Champ. (Curculionidae): <i>Lactuca sativa</i> (lettuce).....	Mexico.....	1			Tex.
<i>Nicobium castaneum</i> (Oliv.) (Anobiidae): Wood.....	New Caledonia.....	3			Mass.
<i>Niveaspis tecta</i> Ferris (Coccidae): <i>Mandevilla foliosa</i>	Mexico.....	1			N. J.
<i>Norvellina texana</i> (Ball) (Cicadellidae): <i>Brassica oleracea capitata</i> (cabbage).....	do.....	1			Tex.
<i>Nysius ericae</i> (Schill.) (Lygaeidae): <i>Raphanus sativus</i> (radish).....	do.....	1			Tex.
<i>Nysius minutus</i> Uhl. (Lygaeidae): <i>Beta vulgaris</i> (beet).....	do.....	1			Tex.
<i>Brassica rapa</i> (turnip).....	do.....	2			Tex.
<i>Brassica</i> sp. (mustard).....	do.....	8			Calif., Tex.
<i>Lactuca sativa</i> (lettuce).....	do.....	3			Tex.
<i>Raphanus sativus</i> (radish).....	do.....	6			Tex.
<i>Rorippa nasturtium aquaticum</i> (watercress). <i>Nysius strigosus</i> Uhl. (Lygaeidae):	do.....	1			Calif.
<i>Brassica chinensis</i> (Chinese cabbage).....	do.....	3			Tex.
<i>Brassica oleracea botrytis</i> (cauliflower).....	do.....	1			Tex.
<i>Brassica rapa</i> (turnip).....	do.....	9			Tex.
<i>Brassica</i> sp. (mustard).....	do.....	5			Tex.
<i>Chrysanthemum parthenium</i> (feverfew). Cut flowers.....	do.....	6			Tex.
<i>Lactuca sativa</i> (lettuce).....	do.....	2			Tex.
<i>Portulaca oleracea</i> (purslane).....	do.....	5			Tex.
<i>Raphanus sativus</i> (radish).....	do.....	4			Ariz., Tex.
<i>Odonaspis saccharicautis</i> Zehnt. (Coccidae): <i>Saccharum officinarum</i> (sugarcane).....	Mozambique.....		1		Tex.
<i>Odontotoxozus longicornis</i> (Coq.) (Tylidae): <i>Physalis</i> sp. (husk tomato).....	Mexico.....	1			Ariz.
<i>Olibrus submaculatus</i> Sharp (Phalaenidae): <i>Ananas comosus</i> (pineapple).....	do.....	1			Tex.
<i>Opstus stactogalus</i> Fieb. (Cicadellidae): Mixed cut flowers.....	do.....	1			Tex.
<i>Lactuca sativa</i> (lettuce).....	do.....	2			Tex.
<i>Ozycaenus luctuosus</i> (Montrouzier) (Lygaeidae): <i>Abutilon otocarpum</i>	Queensland.....	1			Mass.
<i>Pachybrachis hepaticus</i> Mels. (Chrysomelidae): <i>Brassica chinensis</i> (Chinese mustard).....	Mexico.....	1			Ariz.
<i>Lactuca sativa</i> (lettuce).....	do.....	3			Ariz., Tex.
<i>Portulaca oleracea</i> (purslane).....	do.....	1			Ariz.
<i>Pachybrachius bilobatus</i> (Say) (Lygaeidae): <i>Lycopersicon esculentum</i> (tomato).....	do.....	2			Ariz.

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<i>Pachybrachius servillei</i> (Guer.) (Chrysomelidae):					
<i>Lycopersicon esculentum</i> (tomato).....	Mexico.....	1			Ariz.
<i>Palaeopus costicollis</i> Marsh. (Curculionidae):					
<i>Dioscorea</i> sp. (yam).....	Cuba.....		1		N. Y.
<i>Ipomoea batatas</i> (sweetpotato).....	Jamaica, Trinidad.....		7		N. Y.
<i>Parlatoria blanchardi</i> (Targ.) (Coccidae):					
Palm.....	Arabia.....	1			D. C.
<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus reticulata</i> (tangerine).....	Brazil.....		1		Fla.*
<i>Citrus reticulata</i> (mandarin).....	do.....		1		Fla.*
<i>Citrus sinensis</i> (orange).....	Brazil, Dominican Republic.....		8		Fla.*
Unidentified plant.....	Mexico.....			1	Ariz.
<i>Parlatoria crotonis</i> Doug. (Coccidae):					
<i>Codiaeum</i> sp. (croton).....	Hawaii.....			1	Calif.*
<i>Parlatoria oleae</i> (Colvée) (Coccidae):					
<i>Olea</i> sp.....	Palestine.....			1	N. J.
<i>Rosa</i> sp. (rose).....	Spain.....			1	N. J.
<i>Parlatoria pseudaspidiotus</i> (Lindgr.) (Coccidae):					
<i>Vanda teres</i> (orchid).....	Canal Zone.....			1	Calif.*
<i>Parlatoria ziziphus</i> (Lucas) (Coccidae):					
<i>Citrus reticulata</i> (tangerine).....	China.....		1		Fla.*
<i>Citrus sinensis</i> (orange).....	British Guiana.....		1		Fla.*
<i>Paromius gracilis</i> (Ramb.) (Lygaeidae):					
Grass seed heads.....	Union of South Africa.....			1	D. C.
<i>Parysatis nigriraris</i> Thoms. (Cerambycidae):					
<i>Ananas comosus</i> (pineapple).....	Mexico.....	1			Tex.
<i>Pectinophora gossypiella</i> (Saund.) (Gelechiidae):					
<i>Gossypium</i> sp. (cotton) (boll).....	Mexico, Trinidad.....	2	1		Fla.,* Tex.
<i>Gossypium</i> sp. (cottonseed).....	Egypt, Mexico, Puerto Rico, Virgin Islands.....	6	1		Md., N. J., N. Y., Tex.
<i>Gossypium</i> sp. (seed cotton).....	Cuba, Mexico.....	4			Pa., Tex.
<i>Phaenicia sericata</i> (Meigen) (Calliphoridae):					
<i>Prunus</i> sp. (cherry).....	Canada.....	1			Vt.
<i>Phelomerus aberrans</i> (Sharp) (Bruchidae):					
<i>Cassia moschata</i>	Canal Zone.....			3	N. J.
<i>Phenacaspis pinifoliae</i> Fitch (Coccidae):					
<i>Pinus</i> sp. (pine).....	Canada.....	1			Minn.
<i>Phenacaspis sandwicensis</i> Fullaway (Coccidae):					
<i>Cocos nucifera</i> (coconut).....	Hawaii.....	1			Calif.*
<i>Mangifera indica</i> (mango).....	do.....	1			Calif.*
<i>Phenacoccus gossypii</i> (Townsend & Ckll.) (Coccidae):					
<i>Campsis radicans</i> (trumpet vine).....	Bermuda.....		1		Va.
<i>Gardenia jasminoides</i> (Cape-jasmine).....	Mexico.....	1			Ariz.
<i>Pelargonium</i> sp. (geranium).....	do.....			2	Tex.
<i>Phenacoccus solani</i> (Ckll.) (Coccidae):					
<i>Chrysanthemum</i> sp.....	do.....	2			Tex.
<i>Phyllethrus subsulcatus</i> Horn (Chrysomelidae):					
<i>Portulaca oleracea</i> (purslane).....	do.....	1			Ariz.
<i>Phyllotreta albionica</i> (Lec.) (Chrysomelidae):					
<i>Brassica</i> sp. (mustard).....	do.....	1			Tex.
<i>Phyllotreta pusilla</i> Horn (Chrysomelidae):					
<i>Raphanus sativus</i> (radish).....	do.....	1			Tex.
<i>Phyllotreta vittula</i> Redt. (Chrysomelidae):					
<i>Daucus carota sativa</i> (carrot).....	England.....		1		N. Y.
<i>Physonota alutacea</i> Boh. (Chrysomelidae):					
<i>Cordia</i> sp.....	Mexico.....	1			Tex.
<i>Phytomyza ilicis</i> (Curt.) (Agromyzidae):					
<i>Ilex</i> sp. (holly).....	Canada.....	1			Mass.
<i>Pieris brassicae</i> (L.) (Pieridae):					
<i>Brassica oleracea capitata</i> (cabbage).....	England.....		1		N. Y.
<i>Pinnaspis temporaria</i> Ferris (Coccidae):					
Orchid.....	Hawaii.....			1	N. Y.
<i>Pintalia dorsivittata</i> (Van D.) (Fulgoridae):					
Herb.....	Mexico.....	1			Tex.
<i>Pityophthorus cribratus</i> Blackm. (Scolytidae):					
<i>Pinus</i> sp. (pine).....	do.....	8	2		Tex.

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<i>Pityophthorus mexicanus</i> Blackm. (Scolytidae):					
Unknown twig	Mexico	1			Ariz.
<i>Placosternus difficilis</i> (Chevr.) (Cerambycidae):					
<i>Ananas comosus</i> (pineapple)	do	1			Tex.
Log	do	1			Tex.
<i>Prosopis</i> sp. (mesquite)	do	1			Tex.
<i>Platynota rostrana</i> (Wlk.) (Tortricidae):					
<i>Lycopersicon esculentum</i> (tomato)	do	3			Tex.
<i>Platynota stultana</i> (Wlsm.) (Tortricidae):					
<i>Capsicum frutescens</i> (pepper)	do	229			Ariz., Tex.
<i>Lycopersicon esculentum</i> (tomato)	do	46			Ariz., Tex.
<i>Phaseolus</i> sp. (string bean)	do	1			Ariz.
<i>Platypus rugulosus</i> Chapuis (Platypodidae):					
Log	do	4			Tex.
<i>Suietenia mahagoni</i> (mahogany)	do	1			Tex.
<i>Pnyxia scabiei</i> (Hopkins) (Fungivoridae):					
<i>Lilium longiflorum</i> (Easter lily)	do			4	Tex.
<i>Protopulvinaria pyrifformis</i> (Ckll.) (Coccidae):					
<i>Cinnamomum</i> sp. (cinnamon)	Trinidad	1			N. Y.
<i>Gardenia jasminoides</i> (Cape-jasmine)	Venezuela	5			Fla.*
<i>Pseudaonidia trilobifformis</i> (Green) (Coccidae):					
<i>Mangifera indica</i> (mango)	Belgian Congo, Brazil		4		Fla.*
<i>Pseudischnaspis alienus</i> (Newst.) (Coccidae):					
<i>Cattleya bowringiana</i> (orchid)	Guatemala			1	Tex.
<i>Oncidium</i> sp. (orchid)	do			1	N. J.
Orchid	Costa Rica, Mexico		1	1	Fla.,* Tex.
<i>Rosa</i> sp. (rose)	Costa Rica, Honduras		2		Fla.*
<i>Pseudischnaspis bouweyi</i> (Ckll.) (Coccidae):					
<i>Agave fourcroydes</i> (henequen agave)	Cuba	1			D. C.
<i>Pseudococcus boninsis</i> (Kuw.) (Coccidae):					
<i>Saccharum officinarum</i> (sugarcane)	Mexico	2			Tex.
<i>Pseudodiaspis multipora</i> Ferris (Coccidae):					
<i>Phoradendron flavescens</i> (mistletoe)	do	1			Ariz.
<i>Pseudoparlaria serrulata</i> (Townsend & Ckll.) (Coccidae):					
Orchid	do			1	Tex.
<i>Psila rosae</i> (F.) (Psilidae):					
<i>Brassica rapa</i> (turnip)	England		1		N. Y.
<i>Daucus carota sativa</i> (carrot)	Algeria, England, Morocco		5		N. Y., Pa., Tex.
<i>Pastinaca sativa</i> (parsnip)	England, New Zealand		3		N. Y., Tex.
<i>Pteleobius vestitus</i> (F.) (Scolytidae):					
<i>Ulmus</i> sp. (elm)	England	1			N. Y.
<i>Pteleobius vittatus</i> F. (Scolytidae):					
<i>Ulmus</i> sp. (elm)	do	2			N. Y.
<i>Pulvinaria psidii</i> Mask. (Coccidae):					
<i>Gardenia jasminoides</i> (Cape-jasmine)	Costa Rica, Mexico, Puerto Rico	2	2		Fla.,* Tex.
<i>Puto mexicanus</i> (Ckll.) (Coccidae):					
Orchid	Mexico	1			Tex.
<i>Salvia officinalis purpurascens</i> (purple sage)	do			1	Tex.
<i>Puto yuccae</i> (Coq.) (Coccidae):					
<i>Cephalocereus chrysacanthus</i> (cactus)	do			1	Tex.
<i>Pyrrhidium sanguineum</i> (L.) (Cerambycidae):					
<i>Quercus</i> sp. (oak)	England	1			N. Y.
<i>Renocis mexicanus</i> Blackm. (Scolytidae):					
Herb	Mexico	1			Tex.
<i>Rhopalosiphum rufomaculatum</i> (Wils.) (Aphididae):					
<i>Chrysanthemum</i> sp.	do			1	Ariz.
<i>Rhyncolus lignarius</i> Marsh. (Curculionidae):					
<i>Juglans</i> sp. (walnut)	England	1			N. Y.
<i>Ribua innoxia</i> Hein. (Phycitidae):					
<i>Ananas comosus</i> (pineapple)	Cuba	1			La.
<i>Ripersia palmarum</i> (Ehrh.) (Coccidae):					
<i>Cocos nucifera</i> (coconut)	Hawaii		2		Calif.*

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<i>Salix lacordairei</i> Guer. (Tenebrionidae): Packing with grapes	Argentina	1			N. Y.
<i>Scolopocerus uhleri</i> Distant (Coreidae): <i>Chrysanthemum</i> sp.	Mexico	1			Tex.
Daisy	do	1			Tex.
<i>Scolytus dimidiatus</i> Chapuis (Scolytidae): Log	do	2			Tex.
<i>Silvanus unidentatus</i> (F.) (Cucujidae): <i>Khaya</i> sp.	Gold Coast	1			N. Y.
<i>Quercus</i> sp. (oak)	England	1			N. Y.
<i>Sinodendron cylindricum</i> (L.) (Lucanidae): <i>Quercus</i> sp. (oak)	do	1			N. Y.
<i>Sinozylon anale</i> Les. (Bostrichidae): Wood	India	1			N. Y.
<i>Sisammes contractus</i> Dist. (Lygaeidae): <i>Ananas comosus</i> (pineapple)	Mexico	7			Tex.
<i>Sitona lineatus</i> (L.) (Curculionidae): <i>Lilium</i> sp. (lily)	Bermuda	1			N. Y.
<i>Sizeonotus areolatus</i> Knight (Miridae): <i>Lactuca sativa</i> (lettuce)	Mexico	9			Tex.
<i>Stephanoderes brasiliensis</i> Hopk. (Scolyti- dae): <i>Delonix regia</i> (flamboyant tree)	Trinidad	1			N. Y.
<i>Stephanoderes buscki</i> Hopk. (Scolytidae): <i>Caesalpinia coriaria</i> (divi-divi)	do	1			N. Y.
<i>Stephanoderes hampei</i> Ferr. (Scolytidae): <i>Coffea</i> sp. (coffee)	Tanganyika	1			N. Y.
<i>Sternochetus mangiferae</i> (F.) (Curculioni- dae): <i>Mangifera indica</i> (mango)	Hawaii	2			Calif.*
<i>Taeniothrips atratus</i> (Hal.) (Thripidae): <i>Dianthus</i> sp. (carnation)	Unknown	1			N. Y.
<i>Taeniothrips dianthi</i> Fr. (Thripidae): <i>Dianthus</i> sp. (carnation)	Portugal	1			N. Y.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae): <i>Calluna vulgaris</i> (heather)	Ireland, Scotland	5			Mass., N. Y.
<i>Taeniothrips gracilis</i> Mlt. (Thripidae): <i>Lilium longiflorum</i> (Easter lily)	Bermuda	1			N. Y.
<i>Taeniothrips inconsequens</i> Uzel (Thripi- dae): <i>Prunus</i> sp. (cherry)	Canada	1			Wash.
<i>Taeniothrips simplex</i> (Mor.) (Thripidae): <i>Gladiolus</i> sp.	do			1	N. Y.
<i>Targionia bromeliae</i> (Leon.) (Coccidae): <i>Ananas comosus</i> (pineapple)	Cuba	1			Fla.*
<i>Targionia hartii</i> (Ckll.) (Coccidae): <i>Dioscorea</i> sp. (yam)	do		4		Fla.,* N. Y.
<i>Targionia sacchari</i> (Ckll.) (Coccidae): <i>Zingiber officinale</i> (ginger)	India		1		N. Y.
<i>Tenthecoris bicolor</i> Scott (Miridae): <i>Cattleya peruviana</i> (orchid)	Venezuela			1	P. R.
<i>Cattleya</i> sp. (orchid)	Brazil, Venezuela			8	Calif.,* N. J.
<i>Lycaste skinneri</i> (orchid)	Mexico			1	Tex.
<i>Tetraleurodes acaciae</i> (Q.) (Aleyrodidae): <i>Erythrina americana</i>	do	1			N. J.
<i>Tetraleurodes fici</i> Q. & B. (Aleyrodidae): Undetermined plant	Nicaragua	1			Calif.*
<i>Tetraleurodes mori</i> (Q.) (Aleyrodidae): Herb	Mexico	1			Tex.
<i>Juglans</i> sp. (walnut)	do	1			Tex.
<i>Lippia citrifolia</i> (lemon verbena)	do			1	Ariz.
<i>Psidium guajava</i> (guava)	do	1			Ariz.
<i>Tetraleurodes ursorum</i> (Ckll.) (Aleyro- didae): <i>Epigaea repens</i> (trailing-arbutus)	Canada	10			Mass.
<i>Tetramorium simillimum</i> (F. Smith) (For- micidae): <i>Dioscorea</i> sp. (yam)	St. Lucia		1		Ala.
<i>Tetrapriocera longicornis</i> (Oliv.) (Bostrichidae): <i>Derris scandens</i> (derris)	Ecuador	1			D. C.
Log	Mexico	2			Tex.
<i>Thrips angusticeps</i> Uzel (Thripidae): <i>Brassica oleracea capitata</i> (cabbage)	Morocco		1		Md.
<i>Thrips fuscipennis</i> Hal. (Thripidae): <i>Calluna vulgaris</i> (heather)	England	1			N. Y.

List of pests collected and reported from July 1, 1942, to June 30, 1943, inclusive—Con.

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Con- sump- tion	Non- entry	Prop- aga- tion	
<i>Trialeurodes vitrinellus</i> Ckll. (Aleyrodidae):					
<i>Citrus</i> sp.	Mexico	1			Tex.
<i>Trogorylon prostomoides</i> Gorb. (Lyctidae):					
Bamboo	do	1			Ariz.
Wood	do	1			Ariz.
<i>Vinsonia stellifera</i> (Westw.) (Coccidae):					
<i>Citrus</i> sp.	Puerto Rico	1			Fla.*
<i>Epidendrum ciliare</i> (orchid)	Canal Zone			1	Calif.*
<i>Epidendrum</i> sp. (orchid)	Brazil			1	N. J.
<i>Gardenia jasminoides</i> (Cape-jasmine) ..	Puerto Rico		1		Fla.*
Orchid	Canal Zone			1	Calif.*
<i>Stanhopea wardii</i> (orchid)	do			1	Calif.*
<i>Xenomyrmex panamanus</i> Wheeler (Formicidae):					
Orchid	Unknown (soldier's mail) ..			3	Tex.
<i>Xyleborus confusus</i> Eichh. (Scolytidae):					
<i>Khaya</i> sp.	Gold Coast	1			N. Y.
Log	Mexico	1			Tex.
<i>Swietenia mahagoni</i> (mahogany)	do	1			Tex.
<i>Xyleborus fuscatus</i> Eichh. (Scolytidae):					
Log	do	3			Tex.
<i>Xyleborus propinquus</i> Eichh. (Scolytidae):					
Log	do	3			Tex.
<i>Pachyrhizus</i> sp. (yambean)	do	1			Ariz.
<i>Swietenia mahagoni</i> (mahogany)	Nicaragua	1			Calif.*
<i>Xyleborus sazeeni</i> (Ratz.) (Scolytidae):					
<i>Juglans</i> sp. (walnut)	England	1			N. Y.
<i>Xyleborus torquatus</i> Eichh. (Scolytidae):					
Log	Mexico	1			Tex.
<i>Swietenia mahagoni</i> (mahogany)	do	1			Tex.
<i>Xylion adustus</i> (F.) (Bostrichidae):					
<i>Khaya</i> sp. (African mahogany)	Gold Coast	3			N. Y.
<i>Xylion securifer</i> Les. (Bostrichidae):					
<i>Khaya</i> sp.	do	3			Md.
<i>Xylomeira torquata</i> (F.) (Bostrichidae)					
Bean	Mexico	1			Tex.
<i>Xylopertha crinitarsis</i> (Imh.) (Bostrichidae):					
<i>Khaya</i> sp.	Gold Coast	2			Md.
<i>Zabrotes subfasciatus</i> (Boh.) (Bruchidae):					
Bean	Brazil, Mexico, Union of South Africa, Venezuela ..	18	2		Mass., N. Y. Tex.
<i>Chrysanthemum</i> sp.	Mexico	1			Tex.
Daisy	do	1			Tex.
<i>Phaseolus</i> sp. (string bean)	do	1			Ariz.
<i>Physalis</i> sp. (husk tomato)	do	1			Tex.
<i>Saccharum officinarum</i> (sugarcane) ..	do	1			Tex.
Wood	Canada	1			Calif.*
<i>Zea mays</i> (corn)	Mexico	1			Tex.

Hosts and insects

ABUTILON:

Orycaenus luctuosus (Hemiptera)

ACACIA:

Acanthoscelides spinipes (Coleoptera)

ACHRAS:

Anastrepha serpentina (Diptera)

AGARICUS:

Cartodere ruficollis (Coleoptera)

AGAVE:

Amphicercus cornutus (Coleoptera)

Pseudoschnaspis bowreyi (Homoptera)

AMARYLLIS:

Frankliniella fusca (Thysanoptera)

ANANAS:

Actenodes mendez (Coleoptera)

Alpheias conspirata (Lepidoptera)

Blissus pulchellus (Hemiptera)

Catolethrus longulus (Coleoptera)

Cryphula apicatus (Hemiptera)

Epicaula callosa (Coleoptera)

ANANAS—Continued.

Epicaula nigratarsis (Coleoptera)

Euphoria nitens (Coleoptera)

Frankliniella fortissima (Thysanoptera)

Ischnodemus umbratus (Hemiptera)

Ligyrocoris litigiosus (Hemiptera)

Ligyrocoris nitidicollis (Hemiptera)

Metamasius callizona (Coleoptera)

Olibrus submaculatus (Coleoptera)

Parysatis nigratarsis (Coleoptera)

Placosternus difficilis (Coleoptera)

Ribua innozia (Lepidoptera)

Sisamnes contractus (Hemiptera)

Targionia bromeliae (Homoptera)

APIUM:

Draeculacephala minerva (Hemiptera)

Lixus mucronatus (Coleoptera)

AQUILEGIA:

Kakimia aquilegiae (Homoptera)

ASPASIA—See Orchidaceae

Hosts and insects—Continued

BAMBOO:

- Amphicerus cornutus* (Coleoptera)
- Asterolecanium bambusae* (Homoptera)
- Cyllene congener* (Coleoptera)
- Cyphosterna bicolor* (Coleoptera)
- Dinoderus brevis* (Coleoptera)
- Trogozylus prostomoides* (Coleoptera)

BANANA DEBRIS:

- Metamasius sericeus* (Coleoptera)

BEAN:

- Bruchus tristiculus* (Coleoptera)
- Callosobruchus maculatus* (Coleoptera)
- Xylomeira torquata* (Coleoptera)
- Zabrotes subfasciatus* (Coleoptera)

BETA VULGARIS:

- Drasterius livens* (Coleoptera)
- Frankliniella cephalica* (Thysanoptera)
- Lygus oblineatus* (Hemiptera)
- Nysius minutus* (Hemiptera)

BETA VULGARIS CICLA:

- Celerio lineata* (Lepidoptera)

BETULA:

- Leipus nebulosus* (Coleoptera)

BOEHMERIA:

- Catorama tabaci* (Coleoptera)

BOUGAINVILLEA:

- Haplothrips gowdeyi* (Thysanoptera)

BRASSIA—See Orchidaceae

BRASSICA CHINENSIS:

- Frankliniopsis vespiformis* (Thysanoptera)
- Hellula undalis* (Lepidoptera)
- Nysius strigosus* (Hemiptera)
- Pachybrachis hepaticus* (Coleoptera)

BRASSICA HIRTA:

- Hellula phidilealis* (Lepidoptera)
- Hellula undalis* (Lepidoptera)
- Hermetica illucens* (Diptera)
- Lygus oblineatus* (Hemiptera)

BRASSICA NAPOBRASSICA:

- Ceutorhynchus pleurostigma* (Coleoptera)

BRASSICA OLERACEA BOTRYTIS:

- Autographa brassicae* (Lepidoptera)
- Ceutorhynchus quadridens* (Coleoptera)
- Evergestis rimosalis* (Lepidoptera)
- Leptophobia aripa* (Lepidoptera)
- Lygus oblineatus* (Hemiptera)
- Nysius strigosus* (Hemiptera)

BRASSICA OLERACEA CAPITATA:

- Ceutorhynchus quadridens* (Coleoptera)
- Drasterius scutellatus* (Coleoptera)
- Evergestis rimosalis* (Lepidoptera)
- Lygus kalmii* (Hemiptera)
- Norvellina texana* (Homoptera)
- Pieris brassicae* (Lepidoptera)
- Thrips angusticeps* (Thysanoptera)

BRASSICA RAPA:

- Ceutorhynchus pleurostigma* (Coleoptera)
- Ceutorhynchus quadridens* (Coleoptera)
- Evergestis rimosalis* (Lepidoptera)
- Hellula undalis* (Lepidoptera)
- Lygus elisus* (Hemiptera)
- Lygus oblineatus* (Hemiptera)
- Nysius minutus* (Hemiptera)
- Nysius strigosus* (Hemiptera)
- Psila rosae* (Diptera)

BRASSICA SP. (mustard):

- Brochymena sulcata* (Hemiptera)
- Hellula phidilealis* (Lepidoptera)
- Hellula undalis* (Lepidoptera)
- Ligyrocoris nitidulus* (Hemiptera)
- Lygus elisus* (Hemiptera)
- Lygus oblineatus* (Hemiptera)
- Nabis alternatus* (Hemiptera)
- Nysius minutus* (Hemiptera)
- Nysius strigosus* (Hemiptera)
- Phyllotreta albionica* (Coleoptera)

BROWNEA:

- Dercynus micronyx* (Coleoptera)

CACTACEAE:

- Anuraphis helichrysi* (Homoptera)
- Aspidiotus corilleae* (Homoptera)
- Lepidosaphes philococcus* (Homoptera)
- Lerina incarnata* (Lepidoptera)
- Ligyrocoris aurivilliana* (Hemiptera)
- Puto yuccae* (Homoptera)

CAESALPINIA:

- Acanthoscelides ceratioborus* (Coleoptera)
- Acanthoscelides dominicanus* (Coleoptera)
- Nasutitermes cornigera* (Isoptera)
- Stephanoderes buscki* (Coleoptera)

CAJANUS:

- Callosobruchus chinensis* (Coleoptera)
- Callosobruchus maculatus* (Coleoptera)

CALANTHE—See Orchidaceae

CALLUNA:

- Micrelus ericae* (Coleoptera)
- Taeniothrips ericae* (Thysanoptera)
- Thrips fuscipennis* (Thysanoptera)

CAMPSIS:

- Phenacoccus gossypii* (Homoptera)

CAPSICUM:

- Arvelius albopunctatus* (Hemiptera)
- Campoprotopella media* (Diptera)
- Disonycha militaris* (Coleoptera)
- Erptochioma caeca* (Hemiptera)
- Faustinus cubae* (Coleoptera)
- Frankliniopsis vespiformis* (Thysanoptera)
- Glyphonyx propinquus* (Coleoptera)
- Gnorimoschema gudmannella* (Lepidoptera)
- Lorita abornana chatka* (Lepidoptera)
- Platynota stultana* (Lepidoptera)

CARICA:

- Aspidiotus destructor* (Homoptera)

CASSIA:

- Acanthoscelides alticola* (Coleoptera)
- Aganactesis indecora* (Lepidoptera)
- Phelomerus aberrans* (Coleoptera)

CASTANEA:

- Laspeyresia splendana* (Lepidoptera)

CATTLEA—See Orchidaceae

CEPHALOCEREUS—See Cactaceae

CHRYSANTHEMUM:

- Adelphocoris rapidus* (Hemiptera)
- Baris aerea* (Coleoptera)
- Euphoria kermi* (Coleoptera)
- Lygus sallei* (Hemiptera)
- Nysius strigosus* (Hemiptera)
- Phenacoccus solani* (Homoptera)
- Rhopalosiphum rufomaculatum* (Homoptera)
- Scolopocerus uhleri* (Hemiptera)
- Zabrotes subfasciatus* (Coleoptera)

CICER:

- Callosobruchus chinensis* (Coleoptera)
- Callosobruchus maculatus* (Coleoptera)
- Lophocateres pusillus* (Coleoptera)

CINNAMOMUM:

- Protopulvinaria pyriformis* (Homoptera)

CITRUS AURANTIFOLIA:

- Anastrepha ludens* (Diptera)
- Lygaeus lateralis* (Hemiptera)

CITRUS AURANTIUM:

- Anastrepha ludens* (Diptera)

CITRUS GRANDIS:

- Aonidiella comperei* (Homoptera)

CITRUS PARADISI:

- Anastrepha ludens* (Diptera)
- Ceratit's capitata* (?) (Diptera)

CITRUS RETICULATA:

- Dialeurodes citri* (Homoptera)
- Parlatoria cinerea* (Homoptera)
- Parlatoria ziziphus* (Homoptera)

CITRUS SINENSIS:

- Aleurocanthus woglumi* (Homoptera)
- Anastrepha fraterculus* (Diptera)
- Anastrepha ludens* (Diptera)
- Ceratit's capitata* (?) (Diptera)
- Drasterius scutellatus* (Coleoptera)
- Leucaspis cockerelli* (Homoptera)
- Parlatoria cinerea* (Homoptera)
- Parlatoria ziziphus* (Homoptera)

CITRUS SP.:

- Aleurocanthus woglumi* (Homoptera)
- Aleurothrixus howardi* (Homoptera)
- Trialeurodes vitrinellus* (Homoptera)
- Vinsonia stellifera* (Homoptera)

COCOS:

- Aspidiotus ericisus* (Homoptera)
- Asterolecanium palmarum* (Homoptera)
- Ereunetis flavistriata* (Lepidoptera)
- Phenacaspis sandwicensis* (Homoptera)
- Ripersia palmarum* (Homoptera)

Hosts and insects—Continued

- CODIAEUM:**
Lepidosaphes tokionis (Homoptera) *
Lichtensia lutea (Homoptera)
Parlatoria crotonis (Homoptera)
- COFFEA:**
Anastrepha fraterculus (?) (Diptera)
Stephanoderes hampei (Coleoptera)
- COLA:**
Neodryocetes hubbardi (Coleoptera)
- COLEUS:**
Asterolecanium pustulans (Homoptera)
- CONVALLARIA:**
Dorytemus luridus (Coleoptera)
- CORDIA:**
Physonota alutacea (Coleoptera)
- CRATAEGUS:**
Crociosema plebeiana (Lepidoptera)
- CUCURBITA:**
Euzesta notata (Diptera)
- CYCLAMEN:**
Clepsis busckiana (Lepidoptera)
- CYDONIA:**
Anastrepha ludens (Diptera)
- CYMBIDIUM**—See Orchidaceae
- CYMBOPOGON:**
Chilo loftini (Lepidoptera)
- CYNOMETRA:**
Dercynus micronyx (Coleoptera)
- CYPRIPEDIUM**—See Orchidaceae
- CYTISUS:**
Bruchidius villosus (Coleoptera)
- DAHLIA:**
Frankliniella insularis (Thysanoptera)
- DAISY:**
Euphoria kerni (Coleoptera)
Scolopocerus uhleri (Hemiptera)
Zabrotes subfasciatus (Coleoptera)
- DASYLIRION:**
Chrysomphalus smilacis (Homoptera)
- DAUCUS:**
Agromyza virens (Diptera)
Conotrachelus seniculus (Coleoptera)
Listronotus oregonensis (Coleoptera)
Phyllotreta vittula (Coleoptera)
Psila rosae (Diptera)
- DELONIX:**
Stephanoderes brasiliensis (Coleoptera)
- DENDROBIUM**—See Orchidaceae
- DERRIS:**
Tetrapriocera longicornis (Coleoptera)
- DIANTHUS:**
Melanthrips fuscus (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips dianthi (Thysanoptera)
- DIOSCOREA:**
Cylas formicarius subsp. (?) (Coleoptera)
Palaeopus costicollis (Coleoptera)
Targionia hartii (Homoptera)
Thrinorhynchus similium (Hymenoptera)
- ECHINOCEREUS**—See Cactaceae
- EPIDENDRUM**—See Orchidaceae
- EPIGAEA:**
Aleuroplatus myricae (Homoptera)
Tetracleurodes ursorum (Homoptera)
- ERYTHRINA:**
Tetracleurodes acaciae (Homoptera)
- EUPHORBIA:**
Lepidosaphes peninsularis (Homoptera)
- FEROCACTUS**—See Cactaceae
- FRAXINUS:**
Leperisinus frazini (Coleoptera)
- GARDENIA:**
Aspidiotus palmarum (Homoptera)
Chrysomphalus albopictus (Homoptera)
Coccus viridis (Homoptera)
Eucalymnatus tessellatus (Homoptera)
Phenacoccus gossypii (Homoptera)
Protopulvinaria pyramiformis (Homoptera)
Pulvinaria psidii (Homoptera)
Vinsonia stellifera (Homoptera)
- GLADIOLUS:**
Frankliniella fusca (Thysanoptera)
Taeniothrips simplex (Thysanoptera)
- GOSSYPIMUM:**
Hypogeocoris imperialis (Hemiptera)
Pectinophora gossypiella (Lepidoptera)
- QUAJACUM:**
Neodlytus cacicus (Coleoptera)
- GUILFOYLIA:**
Adistemia watsonia (Coleoptera)
- HIBISCUS:**
Asterolecanium pustulans (Homoptera)
Lophocarenum pusillus (Coleoptera)
- HYMENAEA:**
Aspidiotus herculeanus (Homoptera)
- ILEX:**
Phytomyza ilicis (Diptera)
- IPOMOEA:**
Cylas formicarius elegantulus (Coleoptera)
Cylas formicarius, perhaps subsp. *formicarius* (Coleoptera)
Dinoderus bifoveolatus (Coleoptera)
Eusepes postfasciatus (Coleoptera)
Palaeopus costicollis (Coleoptera)
- IRIS:**
Frankliniella fusca (Thysanoptera)
- JASMINUM:**
Aonidiella inornata (Homoptera)
Dialeurodes kirkaldyi (Homoptera)
- JUGLANS:**
Dorcus parallelopipedus (Coleoptera)
Melanotus rufipes (Coleoptera)
Rhyncolus lignarius (Coleoptera)
Tetracleurodes mori (Homoptera)
Xyleborus sazeeni (Coleoptera)
- KHAYA:**
Silvanus unidentatus (Coleoptera)
Xyleborus confusus (Coleoptera)
Xylion adustus (Coleoptera)
Xylion securifer (Coleoptera)
Xylopertha crinitarsis (Coleoptera)
- LACTUCA:**
Anacetrinus deplanatus (Coleoptera)
Atazia hubbardi (Coleoptera)
Carneoccephala nuda (Hemiptera)
Carneoccephala sagittifera (Hemiptera)
Ceratocapsus apicalis (Hemiptera)
Ceratocapsus punctulatus (Hemiptera)
Chaetopsis fulvifrons (Diptera)
Conoderus liliidis (Coleoptera)
Conoderus reserpinus (Coleoptera)
Conotrachelus leucophaeus (Coleoptera)
Conotrachelus seniculus (Coleoptera)
Draeculacephala lenticula (Hemiptera)
Draeculacephala minerva (Hemiptera)
Empoasca solana (Hemiptera)
Epicauda nigratarsis (Coleoptera)
Epilachna varivestis (Coleoptera)
Epiriz hirtipennis (Coleoptera)
Erynephala puncticollis (Coleoptera)
Eumecosomyia nubila (Diptera)
Feltia subterranea (Lepidoptera)
Hellula undalis (Lepidoptera)
Leucopoeia albifasciata (Hemiptera)
Ligyrocoris aurivilliana (Hemiptera)
Lygus oblineatus (Hemiptera)
Lygus sallei (Hemiptera)
Macrostelus divinus (Hemiptera)
Metronia emarginata (Coleoptera)
Nabis alternatus (Hemiptera)
Nabis capsiformis (Hemiptera)
Nicentrus testaceus (Coleoptera)
Nysius minutus (Hemiptera)
Nysius strigosus (Hemiptera)
Opius stactogalus (Homoptera)
Pachybrachis hepaticus (Coleoptera)
Sizenotus areolatus (Hemiptera)
- LAELIA**—See Orchidaceae
- LARIX:**
Coleophora laricella (Lepidoptera)
- LATHYRUS:**
Bruchus tristiculus (Coleoptera)
- LAURUS:**
Aonidia lauri (Homoptera)
- LEDUM:**
Coleophora laricella (Lepidoptera)
- LEMAIREOCEREUS**—See Cactaceae
- LENS:**
Bruchidius incarnatus (Coleoptera)
Callosobruchus maculatus (Coleoptera)
- LILIUM:**
Clerada apicicornis (Hemiptera)
Forcipomyia raleighi (Diptera)
Liothrips vaneeckei (Thysanoptera)
Pnyxia scabiei (Diptera)
Sitona lineatus (Coleoptera)
Taeniothrips gracilis (Thysanoptera)

Hosts and insects—Continued

LIPPIA:

Tetraleurodes mori (Homoptera)

LYCASTE—See Orchidaceae

LYCOPERSICON:

Aphodius granarius (Coleoptera)
Aujeus impressicollis (Hemiptera)
Callidium texanum (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Chaetopsis fulvifrons (Diptera)
Chapuisia mexicana (Coleoptera)
Cicizius dorsivittatus (Homoptera)
Conotrachelus seniculus (Coleoptera)
Cryphula parallogramma (Hemiptera)
Cyrtopeltis varians (Hemiptera)
Epitrix fasciata (Coleoptera)
Epitrix hirtipennis (Coleoptera)
Exilianus obscurinervis (Homoptera)
Frankliniella fortissima (Thysanoptera)
Franklinothrips vespiformis (Thysanoptera)
Gnathotrichus denticulatus (Coleoptera)
Lasconotus arrowi (Coleoptera)
Leucinodes elegantalis (Lepidoptera)
Lineodes integra (Lepidoptera)
Lygaeus pulchellus (Hemiptera)
Monanthia monotropidia (Hemiptera)
Pachybrachius bilobatus (Hemiptera)
Pachybrachius serrillei (Hemiptera)
Platynota rostrana (Lepidoptera)
Platynota stultana (Lepidoptera)

MALUS:

Aspidiotus forbesi (Homoptera)

MAMMEA:

Anastrepha ludens (Diptera)
Anastrepha serpentina (Diptera)

MANDEVILLA:

Niveaspis tecta (Homoptera)

MANGIFERA:

Anastrepha ludens (Diptera)
Anastrepha mombinpraepians (Diptera)
Aulacaspis mangiferae (Homoptera)
Ceratitis capitata (Diptera)
Chrysomphalus personatus (Homoptera)
Phenacaspis sandwicensis (Homoptera)
Pseudonidia trilobitiformis (Homoptera)
Sternonchus mangiferae (Coleoptera)

MANIHOT:

Lepidosaphes alba (Homoptera)

MEDICAGO:

Colias eurytheme (Lepidoptera)
Conotrachelus seniculus (Coleoptera)
Heliodines bella (Lepidoptera)
Nabis alternatus (Hemiptera)

MILTANIA—See Orchidaceae

MUSA PARADISIACA SAPIENTUM:

Adranethrips tibialis (Thysanoptera)
Aspidiotus destructor (Homoptera)
Aspidiotus palmae (Homoptera)
Chrysomphalus albopictus (Homoptera)
Chrysomphalus scutiformis (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Metamasius sericeus (Coleoptera)

MYRTILLOCACTUS—See Cactaceae

ODONTOGLOSSUM—See Orchidaceae

OENOTHERA:

Frankliniella stylosa (Thysanoptera)

OLEA:

Parlatoria oleae (Homoptera)

ONCIDIUM—See Orchidaceae

ORCHIDACEAE:

Aeolus pulchellus (Coleoptera)
Anaphothrips orchidaceus (Thysanoptera)
Anaphothrips orchidii (Thysanoptera)
Aspidiotus degeneratus (Homoptera)
Asterolecanium epidendri (Homoptera)
Calligrapha penatherina (Coleoptera)
Chrysomphalus nigropunctatus (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Cryphula apicatus (Hemiptera)
Conchaspis angracis (Homoptera)
Deloyala guttata (Coleoptera)
Edessa cornuta (Hemiptera)
Eurycipitia vestitus (Hemiptera)
Eurytoma orchidearum (Hymenoptera)
Furcaspis bifurmis (Homoptera)
Galgapha punctifer (Hemiptera)
Heraeus eximius (Hemiptera)
Hercinotrips bicinctus (Thysanoptera)
Hoplandrothrips xanthopoides (Thysanoptera)

ORCHIDACEAE—Continued.

Lepidosaphes tuberculata (Homoptera)
Leucaspis cockerelli (Homoptera)
Lygaeus circumlinitus (Hemiptera)
Mordellistena cattleyana (Coleoptera)
Myodocha longicollis (Hemiptera)
Nasutitermes corniger (Isoptera)
Parlatoria pseudaspidiotus (Homoptera)
Pinnaspis temporaria (Homoptera)
Pseudischinaspis alienus (Homoptera)
Pseudoparlatoria serrulata (Homoptera)
Puto mexicanus (Homoptera)
Tenthecoris bicolor (Hemiptera)
Vinsonia stellifera (Homoptera)
Xenomyrmex panamanus (Hymenoptera)

ORYZA:

Acinaces lebasii (Coleoptera)
Chilo simplex (?) (Lepidoptera)

PACHYRHIZUS:

Xyleborus propinquus (Coleoptera)

PASTINACA:

Psila rosae (Diptera)

PELARGONIUM:

Phenacoccus gossypii (Homoptera)

PERSEA:

Anastrepha ludens (Diptera)
Chrysomphalus albopictus (Homoptera)
Conotrachelus aguacatae (Coleoptera)
Conotrachelus seniculus (Coleoptera)
Drasterius scutellatus (Coleoptera)
Euzesta sororcula (Diptera)

PETROSELINUM:

Conotrachelus seniculus (Coleoptera)
Geocoris uliginosus speculator (Hemiptera)

PHASEOLUS AUREUS:

Callosobruchus maculatus (Coleoptera)
Coryca cephalonica (Lepidoptera)

PHASEOLUS SP. (string bean):

Agromyza virens (Diptera)
Callosobruchus maculatus (Coleoptera)
Ceratomyza atrofasciata (Coleoptera)
Elasmopalpus lignosellus (Lepidoptera)
Empoasca solana (Hemiptera)
Epilachna varivestis (Coleoptera)
Epinotia opposita (Lepidoptera)
Everes comyntas (Lepidoptera)
Laspeyresia leguminis (Lepidoptera)
Leptocera fontinalis (Diptera)
Ligyrocoris aurivilliana (Hemiptera)
Maruca testulalis (Lepidoptera)
Platynota stultana (Lepidoptera)
Zabrotes subfasciatus (Coleoptera)

PHORADENDRON:

Pseudodiaspis multipora (Homoptera)

PHYSALIS:

Dactylosternum abdominale (Coleoptera)
Eumecosomyia nubilata (Diptera)
Heliothis subflexa (Lepidoptera)
Ligyrocoris aurivilliana (Hemiptera)
Odontoloxozus longicornis (Diptera)
Zabrotes subfasciatus (Coleoptera)

PIMENTA:

Asterolecanium pustulans (Homoptera)

PINUS:

Deltoccephalus comesus (Homoptera)
Phenacaspis pinifoliae (Homoptera)
Pityophthorus cribratus (Coleoptera)

PIPER:

Ceroplastes cirripediformis (Homoptera)

PISUM:

Bruchus pisi (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Chalarus spurius (Diptera)
Everes comyntas (Lepidoptera)

PITHECELLOBIUM:

Acanthoscelides flexicaulis (Coleoptera)
Caryobruchus glediatae (Coleoptera)

PLUMERIA:

Aspidiotus covilleae (Homoptera)

PORTULACA:

Geocoris sonoraensis (Hemiptera)
Heliodines bella (Lepidoptera)
Lygus elisus (Hemiptera)
Nysius strigosus (Hemiptera)
Pachybrachius hepaticus (Coleoptera)
Phyllocnistis subsulcatus (Coleoptera)

Hosts and insects—Continued

- PROSOPIS:**
Acanthoscelides ceratioborus (Coleoptera)
Cyllene antennatus (Coleoptera)
Dendrobiella aspera (Coleoptera)
Placosternus difficilis (Coleoptera)
- PRUNUS:**
Phaenicia sericata (Diptera)
Taeniothrips inconsequens (Thysanoptera)
- PSIDIUM:**
Tetraleurodes mori (Homoptera)
- PUNICA:**
Anastrepha ludens (Diptera)
- QUERCUS:**
Conotrachelus integer (Coleoptera)
Curculio q-griseae (Coleoptera)
Dorcus parallelipedus (Coleoptera)
Dryocoetes rillosus (Coleoptera)
Melanotus rufipes (Coleoptera)
Pyrrhidium sanguineum (Coleoptera)
Silvanus unidentatus (Coleoptera)
Sinodendron cylindricum (Coleoptera)
- RAPHANUS:**
Ceratocapsus punctulatus (Hemiptera)
Hellvyla undalis (Lepidoptera)
Leptocera fontinalis (Diptera)
Nabis alternatus (Hemiptera)
Nysius ericae (Hemiptera)
Nysius minutus (Hemiptera)
Nysius strigosus (Hemiptera)
Phyllotreta pusilla (Coleoptera)
- RHODODENDRON:**
Barypeithes pellucida (Coleoptera)
Dialeurodes chittendeni (Homoptera)
- RORIPPA:**
Eregerstis rimosalis (Lepidoptera)
Merragata hebroides (Hemiptera)
Nysius minutus (Hemiptera)
- ROSA:**
Acanthoscelides sallaei (Coleoptera)
Euphoria kerni (Coleoptera)
Frankliniella insularis (Thysanoptera)
Parlatoria oleae (Homoptera)
Pseudoschnaspis alienus (Homoptera)
- RUBUS:**
Macrosiphum rubiellum (Homoptera)
- SACCHARUM:**
Odonaspis saccharicaulis (Homoptera)
Pseudococcus boninensis (Homoptera)
Zabrotes subfasciatus (Coleoptera)
- SALVIA:**
Puto mexicanus (Homoptera)
- SAMANEA:**
Caryedon fuscus (Coleoptera)
- SAMBUCUS:**
Micrapate labialis (Coleoptera)
- SAPINDUS:**
Amphicerus cornutus (Coleoptera)
- SAPOTE:**
Anastrepha ludens (Diptera)
Aspidiotus spinosus (Homoptera)
- SCHOMBURGKIA**—See Orchidaceae
- SCIRPUS:**
Chaetopsis fulvifrons (Diptera)
Eumecosomyia nubila (Diptera)
- SECHIUM:**
Aspidiotus destructor (Homoptera)
Hypselonotus fulvus venosus (Hemiptera)
- SERJANIA:**
Dinoderus biforeolatus (Coleoptera)
- SESBANIA:**
Acanthoscelides griseolus (Coleoptera)
- SOIL:**
Athous subfuscus (Coleoptera)
Brachyrhinus arcticus (Coleoptera)
Hypnoidus riparius (Coleoptera)
Melanotus rufipes (Coleoptera)
- SOLANUM MELONGENA:**
Amphicerus cornutus (Coleoptera)
Lineodes integra (Lepidoptera)
- SOLANUM TUBEROSUM:**
Colobicus parilis (Coleoptera)
Dactylosternum abdominale (Coleoptera)
Epicaerus cognatus (Coleoptera)
Epicauta tenella (Coleoptera)
- SORBUS:**
Lecanium corni (Homoptera)
- SORGHUM VULGARE:**
Celama sorghella (Lepidoptera)
Conotrachelus seniculus (Coleoptera)
- SPINACIA:**
Geocoris lividipennis (Hemiptera)
Lygus oblineatus (Hemiptera)
- STANHOPEA**—See Orchidaceae
- SWIETENIA:**
Bitoma brevipes (Coleoptera)
Bothrioderes setiger (Coleoptera)
Leptipsius striatus (Coleoptera)
Platypus rugulosus (Coleoptera)
Xyleborus confusus (Coleoptera)
Xyleborus propinquus (Coleoptera)
Xyleborus torquatus (Coleoptera)
- TAGETES:**
Lygus sallei (Hemiptera)
- TRITICUM:**
Marara wallacei (Orthoptera)
- TSUGA:**
Lecanium fletcheri (Homoptera)
- ULMUS:**
Clytus arietis (Coleoptera)
Pteleobius testitus (Coleoptera)
Pteleobius vittatus (Coleoptera)
- VANDA**—See Orchidaceae
- VANILLA**—See Orchidaceae
- VICIA:**
Bruchidius incarnatus (Coleoptera)
Bruchus dentipes (Coleoptera)
Bruchus ulicis (Coleoptera)
- VIGNA:**
Callosobruchus analis (Coleoptera)
- ZEAL:**
Catorama tabaci (Coleoptera)
Diatraea grandiosella (Lepidoptera)
Diatraea saccharalis (Lepidoptera)
Eumecosomyia nubila (Diptera)
Euzesta stigmatias (Diptera)
Heliodines bella (Lepidoptera)
Leptipsius striatus (Coleoptera)
Moodna bisinuella (Lepidoptera)
Zabrotes subfasciatus (Coleoptera)
- ZINGIBER:**
Targionia sacchari (Homoptera)
- ZYGOPETALUM**—See Orchidaceae

Hosts unknown

- AIRPLANE:**
Conoderus exsul (Coleoptera)
Drasterius scutellatus (Coleoptera)
Heraeus illitus (Hemiptera)
- FLOWERS:**
Ligyrocoris nitidicollis (Hemiptera)
Nysius strigosus (Hemiptera)
Opsius stactogalus (Homoptera)
- GRASS SEED:**
Coreyra cephalonica (Lepidoptera)
Paromius gracilis (Hemiptera)
- HERB:**
Amphicerus cornutus (Coleoptera)
Pinthalia dorsivittata (Homoptera)
Renocis mexicanus (Coleoptera)
Tetraleurodes mori (Homoptera)
- LOG:**
Bitoma socialis (Coleoptera)
Brentus mexicanus (Coleoptera)
Colydodes gibbiceps (Coleoptera)
- LOG—Continued**
Cossonus canaliculatus (Coleoptera)
Lygaeus rittiscutis (Hemiptera)
Nasutitermes cornigera (Isoptera)
Placosternus difficilis (Coleoptera)
Platypus rugulosus (Coleoptera)
Scolytus dimidiatus (Coleoptera)
Tetrapirocera longicornis (Coleoptera)
Xyleborus confusus (Coleoptera)
Xyleborus fuscatus (Coleoptera)
Xyleborus propinquus (Coleoptera)
Xyleborus torquatus (Coleoptera)
- MANGANESE:**
Amphicerus cornutus (Coleoptera)
- PACKING:**
Forficula auricularia (Orthoptera)
Salix lacordairei (Coleoptera)
- PALM:**
Aspidiotus destructor (Homoptera)
Parlatoria blanchardi (Homoptera)

Hosts unknown—Continued

PAPER WRAPPER AROUND GRAPEFRUIT:

Ceratitis capitata (Diptera)

PLANT:

Parlatoria cinerea (Homoptera)*Tetraneura fici* (Homoptera)

REFRIGERATOR CAR:

Anastrepha ludens (Diptera)

SEED:

Leptostylus gibbulosus (Coleoptera)

VEGETABLES:

Epicaula virgulata (Coleoptera)

WOOD:

Amphicerus cornutus (Coleoptera)*Dinoderus bifoveolatus* (Coleoptera)*Heterobostrychus aequalis* (Coleoptera)*Ips integer* (Coleoptera)*Nicobium castaneum* (Coleoptera)*Pityophthorus mexicanus* (Coleoptera)*Sinozylon anale* (Coleoptera)*Trogozylon prostomoides* (Coleoptera)*Zabrotes subfasciatus* (Coleoptera)

Country of origin and insects

ALGERIA:

*Ceutorhynchus quadridens**Psila rosae*

AMERICAN VIRGIN ISLANDS:

Anastrepha mombinpraeoptans

ARABIA:

*Bruchus dentipes**Callosobruchus analis**Parlatoria blanchardi*

ARGENTINA:

Salix lacordairei

AUSTRALIA:

*Adistemia watsonia**Cylas formicarius* subsp. (?)*Marava wallacii*

BAHAMAS:

Frankliniella insularis

BARBADOS:

Euscepes postfasciatus

BELGIAN CONGO:

Pseudanidia trilobitiformis

BERMUDA:

*Clerada apicicornis**Phenacoccus gossypii**Sitona lineatus**Taeniothrips gracilis*

BRAZIL:

*Acinaces lebasii**Anastrepha fraterculus**Cyllene congener**Euscepes postfasciatus**Lophocarteres pusillus**Parlatoria cinerea**Pseudanidia trilobitiformis**Tenthecoris bicolor**Vinsonia stellifera**Zabrotes subfasciatus*

BRITISH COLUMBIA:

*Clepsis busckiana**Liothrips vaneeckei*

BRITISH GUIANA:

*Furcaspis biformis**Parlatoria ziziphus*

BRITISH HONDURAS:

Aspidiotus destructor

CANADA:

*Aleuroplatus myricae**Coleophora laricella**Dorytomus luridus**Frankliniella fusca**Frankliniella stylosa**Kakimia aquilegiae**Lecanium fletcheri**Liothrips vaneeckei**Phaenicia sericata**Phenacaspis pinifoliae**Phytomyza ilicis**Taeniothrips inconsequens**Taeniothrips simplex**Tetraneura ursorum**Zabrotes subfasciatus*

CANAL ZONE:

*Acanthoscelides alticola**Asterolecanium epidendri**Chrysomphalus umboniferus**Coccus viridis**Conchaspis angraeci**Drasterius scutellatus**Furcaspis biformis**Ileraeus illitus**Leucaspis cockerelli**Parlatoria pseudaspidiotus**Phelomerus aberrans**Vinsonia stellifera*

CHINA:

*Dinoderus brevis**Parlatoria ziziphus*

COLOMBIA:

*Acanthoscelides dominicanus**Coccus viridis**Eucalymnatus tessellatus**Furcaspis biformis**Hoplandrothrips xanthopoides**Leucaspis cockerelli*

COSTA RICA:

*Aspidiotus destructor**Aspidiotus palmarum**Asterolecanium epidendri**Chrysomphalus umboniferus**Coccus viridis**Metamasius sericeus**Pseudischnaspis alienus**Pulvinaria psidii*

CUBA:

*Adraneothrips tibialis**Aleurocanthus woglumi**Anastrepha ludens**Aspidiotus destructor**Aspidiotus spinosus**Asterolecanium pustulans**Coccus viridis**Cylas formicarius elegantulus**Euscepes postfasciatus**Maruca testulalis**Palaeopus costicollis**Pectinophora gossypiella**Pseudischnaspis boureyi**Ribua innoxia**Targionia bromeliae**Targionia hartii*

CYPRUS:

Aonidia lauri

DOMINICAN REPUBLIC:

*Acanthoscelides dominicanus**Coccus viridis**Corcyra cephalonica**Frankliniella insularis**Parlatoria cinerea*

DUTCH WEST INDIES:

Corcyra cephalonica

ECUADOR:

*Metamasius sericeus**Tetrapiocera longicornis*

EGYPT:

*Bruchidius incarnatus**Callosobruchus maculatus**Pectinophora gossypiella*

ENGLAND:

*Anaphothrips orchidaceus**Anaphothrips orchidii**Athous subfuscus**Barypeithes pellucidus**Bruchidius villosus**Ceutorhynchus pleurostigma**Ceutorhynchus quadridens**Clytus arietis**Dialeurodes chittendeni**Dorcus parallelopipedus**Dryocoetes villosus**Hercinothrips bicinctus**Lecanium corni**Lelopus nebulosus**Lepersinus frazini**Lepidosaphes tuberculata**Liothrips vaneeckei**Lygus kalmii**Macrosiphum rubellum**Melanotus rufipes*

Country of origin and insects—Continued

ENGLAND—Continued.

Phyllotreta vittula
Pieris brassicae
Psila rosae
Pteleobius vestitus
Pteleobius vittatus
Pyrrhidium sanguineum
Rhyncolus lignarius
Silvanus unidentatus
Sinodendron cylindricum
Thrips fuscipennis
Xyleborus sazezei

FRENCH WEST AFRICA:

Callosobruchus maculatus

GOLD COAST:

Silvanus unidentatus
Xyleborus confusus
Xylion adustus
Xylion securifer
Xylopertha crinitarsis

GUATEMALA:

Anastrepha ludens
Anastrepha serpentina
Aspidiotus destructor
Colligrapha pantherina
Chrysomphalus albopictus
Chrysomphalus umboniferus
Pseudischnaspis alienus

HAITI:

Anastrepha mombinpraeoptans
Neodyrocetes hubbardi

HAWAII:

Aonidiella inornata
Asterolecanium pustulans
Caryedon fuscus
Ceratitis capitata
Dialeurodes kirkaldyi
Ereunetis flavistriata
Furcaspis biformis
Haplothrips gowdeyi
Lepidosaphes tokonis
Parlatoria crotonis
Phenacaspis sandwicensis
Pinnaaspis temporaria
Ripersia palmarum
Sternochetus mangiferae

HONDURAS:

Aspidiotus destructor
Aspidiotus palmarum
Chrysomphalus scutiformis
Coccus viridis
Cylas formicarius elegantulus
Pseudischnaspis alienus

ICELAND:

Brachyrhinus arcticus
Hypnoidus riparius

INDIA:

Callosobruchus chinensis
Cylas formicarius, perhaps subsp. *formicarius*
Dinoderus biforeolatus
Heterobostrychus aequalis
Sinoxylon anale
Targionia sacchari

IRAQ:

Bruchus dentipes

IRELAND:

Taeniothrips ericae

ITALY:

Bruchus ulicis

JAMAICA:

Anastrepha mombinpraeoptans
Asterolecanium palmarum
Callosobruchus maculatus
Cylas formicarius elegantulus
Neolytus cacticus
Palaeopus costicollis

JAPAN:

Bruchus pisi
Cartoderus ruficollis

MEXICO:

Acanthoscelides dominicanus
Acanthoscelides flexicaulis
Acanthoscelides griseolus
Acanthoscelides sallaci
Actenodes mendez
Adelphocoris rapidus
Aeolus pulchellus
Agromyza vitens

MEXICO—Continued.

Aleurocanthus uuglumii
Alpheias conspirata
Amphicerus cornutus
Anacentrinus deplanatus
Anastrepha ludens
Anastrepha serpentina
Anuraphis helichrysi
Aphodius granarius
Arvelius albopunctatus
Aspidiotus corilleae
Aspidiotus degeneratus
Aspidiotus forbesi
Asterolecanium bambusae
Ataxia hubbardi
Aufeius impressicollis
Autographa brassicae
Baris aerea
Pitoma brevipes
Bitoma socialis
Plissus pulchellus
Pothrideres setiger
Brentus mexicanus
Prochymena sulcata
Callidium texanum
Callosobruchus maculatus
Campoprosopeia media
Carneiocephala nuda
Carneiocephala sagittifera
Caryobruchus gleditsiae
Catolothrus longulus
Catorama tabaci
Calama sorghella
Celerio lineata
Ceralocapsus apicalis
Ceralocapsus punctulatus
Ceroplastes cirripediformis
Ceroloma atrofasciata
Chaetopsis fulvifrons
Chalarus spurius
Chapuisia mexicana
Chilo loftini
Chrysomphalus albopictus
Chrysomphalus nigropunctatus
Chrysomphalus smilacis
Ciocizius dorsivittatus
Colias eurytheme
Colydotes gibbiceps
Conoderus lividus
Conoderus respertinus
Conotrachelus agnatae
Conotrachelus integer
Conotrachelus leucophaeatus
Conotrachelus seniculus
Cossonus canaliculatus
Crocidosoma plebeiana
Cryphula apicalis
Cryphula paralogramma
Curculio q-griseae
Cylas formicarius elegantulus
Cyllene antennatus
Cyphosterna bicolor
Cryptopeltis varians
Dactylosternum abdominale
Deloyala guttata var.
Deltocephalus comesus
Dendrobiella aspera
Diatraea grandiosella
Diatraea saccharalis
Dinoderus biforeolatus
Disomyza militaris
Draeculacephala lenticula
Draeculacephala minerva
Drasterius lieens
Drasterius scutellatus
Edessa cornuta
Elastopalpus lignosellus
Empoasca solana
Epicaerus cognatus
Epicaula callosa
Epicaula nigritarsis
Epicaula tenella
Epicaula virgulata
Epilachna varietalis
Epinotia opposita
Epitrix fasciata
Epitrix hirtipennis
Erynephala puncticollis

Country of origin and insects—Continued

MEXICO—Continued.

Eucalymnatus tessellatus
Eumecosomyia nubila
Euphoria kerni
Euphoria nitens
Euryctipita vestitus
Euzesta notata
Euzesta sororcula
Euzesta stigmatias
Everes comyntas
Evergestis rimosalis
Exitianus obscurinervis
Erptochiamera caeca
Feltia subterranea
Forcipomyia raleighi
Frankliniella cephalica
Frankliniella fortissima
Frankliniella fusca
Franklinothrips vespiformis
Furcaspis biformis
Galgupha punctifer
Geocoris lividipennis
Geocoris sonoraensis
Geocoris uliginosus speculator
Glyphonyx propinquus
Gnathotrichus denticulatus
Gnorimoschema gudmannella
Heliodines bella
Heliothis subflexa
Hellula phidilealis
Hellula undalis
Heraeus eximius
Hermetia illucens
Hypogeocoris imperialis
Hypselonotus fulvus venosus
Ips integer
Ischnodemus umbratus
Lasconotus arrowi
Laspeyresia leguminis
Lepidosaphes peninsularis
Lepidosaphes philococcus
Leptipsius striatus
Leptocera fontinalis
Leptophobia aripa
Lerina incarnata
Leucinodes elegantalis
Leucopocelia albofasciata
Lichtensia lutea
Ligyrocoris aurivilliana
Ligyrocoris litigious
Ligyrocoris nitidicollis
Ligyrocoris nitidulus
Limeodes integra
Listronotus oregonensis
Lophocateres pusillus
Lorita abornana chatka
Lygaeus circumlinitus
Lygaeus lateralis
Lygaeus pulchellus
Lygaeus vittiscutis
Lygus elisus
Lygus oblineatus
Lygus sallei
Macrosteles divisus
Maruca testulalis
Merragata hebroides
Metamasius callizona
Metrona emarginata
Micrapate labialis
Monanthia monotropidia
Moodna bisimella
Mordellistena cattleyana
Myodocha longicollis
Nabis alternatus
Nabis capsiformis
Nasutitermes cornigera
Neoclytus cacticus
Nicentrus testaceus
Niveaspis tecta
Norrellina texana
Nystus ericae
Nystus minutus
Nystus strigosus
Odontoloxozus longicornis
Olibrus submaculatus
Opsius stactogalus
Pachybrachis hepaticus
Pachybrachius bilobatus

MEXICO—Continued.

Pachybrachius servillei
Parlatoria cinerea
Parysatis nigratarsis
Pectinophora gossypiella
Phenacoccus gossypii
Phenacoccus solani
Phyllethrus subulcalatus
Phyllotreta albionica
Phyllotreta pusilla
Physonota alutacea
Pintalia dorsivittata
Pityophthorus cribratus
Pityophthorus mexicanus
Placosternus difficilis
Platynota rostrana
Platynota stultana
Platypus rugulosus
Pnyxia scabiei
Pseudischinaspis alienus
Pseudococcus boninensis
Pseudodiaspis multipora
Pseudoparlatoria serrulata
Pulvinaria psidii
Puto mexicanus
Puto yuccae
Renocis mexicanus
Rhopalosiphum rufomaculatum
Scolopocerus uhleri
Scolytus dimidiatus
Sisamnes contractus
Sixeonotus areolatus
Tenthecoris bicolor
Tetraleurodes acaciae
Tetraleurodes mori
Tetrapriocera longicornis
Tetraleurodes vitrinellus
Trogorylon prostomoides
Xyleborus confusus
Xyleborus fuscatus
Xyleborus propinquus
Xyleborus torquatus
Xylomeira torquata
Zabrotes subfasciatus

MOROCCO:

Psila rosae
Thrips angusticeps

MOZAMBIQUE:

Ceratitis capitata (?)
Odonaspis saccharicaulis

NEW CALEDONIA:

Nicobium castaneum

NEW ZEALAND:

Colobicus parilis

Psila rosae

NICARAGUA:

Leptostylus gibbulosus
Nasutitermes cornigera
Tetraleurodes fici
Xyleborus propinquus

PALESTINE:

Parlatoria oleae

PANAMA:

Aspidiotus destructor
Aspidiotus palmarum
Coccus viridis
Dialeurodes citri
Eucalymnatus tessellatus
Furcaspis biformis
Metamasius sericeus

PERU:

Acanthoscelides ceratioborus
Dinoderus bifoveolatus
Euscepes postfasciatus
Lepidosaphes alba

PHILIPPINES:

Callosobruchus maculatus

PORTUGAL:

Bruchus tristiculus
Forficula auricularia
Laspeyresia splendana
Lixus mucronatus
Melanthrips fuscus
Taeniothrips dianthi

PUERTO RICO:

Aleurothrixus howardi
Anastrepha mombrinaeoptans
Callosobruchus chinensis

Country of origin and insects—Continued

PUERTO RICO—Continued.

Coccus viridis
Cylas formicarius elegantulus
Euscepes postfasciatus
Pectinophora gossypiella
Pulvinaria psidii
Vinsonia stellifera

QUEENSLAND:

Oryzarenus luctuosus

ST. LUCIA:

Tetramorium simillimum

ST. VINCENT:

Furcaspis biformis

SALVADOR:

Acanthoscelides dominicanus

SCOTLAND:

Brachyrhinus arcticus

Hypnoides riparius

Mitrelus ericae

Taeniothrips ericae

SPAIN:

Parlatoria oleae

TANGANYIKA:

Stephanoderes hampei

THAILAND:

Aonidiella comperei

TRINIDAD:

Aganactesis indecora

Aspidiotus excisus

Aspidiotus herculeanus

Aulacaspis mangiferae

Chrysomphalus personatus

Dercynus micronyx

Euscepes postfasciatus

TRINIDAD—Continued.

Faustinus cubae
Furcaspis biformis
Palaeopus costicollis
Pectinophora gossypiella
Protopulvinaria pyriformis
Stephanoderes brasiliensis
Stephanoderes buscki

UNION OF SOUTH AFRICA:

Callosobruchus chinensis
Ceratitis capitata
Paromius gracilis
Zabrotes subfasciatus

UNKNOWN:

Asterolecanium epidendri
Chilo simplex (?)
Conoderus exsul
Furcaspis biformis
Nasutitermes cornigera
Taeniothrips atratus
Xenomyrmex panamanus

URUGUAY:

Acanthoscelides spinipes

VENEZUELA:

Aspidiotus palmarum
Coccus viridis
Eurytoma orchidearum
Furcaspis biformis
Protopulvinaria pyriformis
Tenthecoris bicolor
Zabrotes subfasciatus

VIRGIN ISLANDS:

Pectinophora gossypiella

List of pests collected and reported from July 1, 1942, to June 30, 1943, inclusive

[All findings marked with an asterisk indicate State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Acrothecium lunatum</i> Wakk.: <i>Cucumis sativus</i> (cucumber)-----	Cuba-----		1		Md.
<i>Alternaria citri</i> Ell. & Pierce: <i>Citrus paradisi</i> (grapefruit)-----	Argentina-----		1		N. Y.
<i>Aphelenchus avenae</i> Bastian: <i>Solanum tuberosum</i> (potato)-----	Portugal-----		1		Pa.
<i>Ascochyta chrysanthemi</i> F. L. Stevens: <i>Chrysanthemum</i> sp.-----	Mexico-----	1			Tex.
<i>Ascochyta citri</i> Penz. (?) : <i>Citrus limon</i> (lemon)-----	Argentina-----		1		N. Y.
<i>Bacterium citri</i> (Hassé) Doidge: <i>Citrus grandis</i> (pomelo)-----	Thailand-----	1			N. Y.
<i>Botrytis allii</i> Munn: <i>Allium cepa</i> (onion)-----	Mexico, New Zealand-----	1	1		Calif.*, Tex.
<i>Botrytis narcissicola</i> Kleb.: <i>Narcissus</i> sp.-----	England, Ireland-----			4	N. J.
<i>Ceratostomella ips</i> Rumbold: <i>Pinus</i> sp. (pine)-----	England-----			1	N. J.
<i>Cercospora althaeina</i> Sacc.: <i>Gossypium</i> sp. (cotton)-----	Mexico-----	1			Tex.
<i>Cercospora angreci</i> Roum.: <i>Odontioda</i> sp. (orchid)-----	England-----			1	N. J.
<i>Odontoglossum</i> sp. (orchid)-----	do-----			1	N. J.
<i>Cercospora atricincta</i> Heald & Wolf: <i>Zinnia</i> sp.-----	Mexico-----	1			Tex.
<i>Cercospora celosiae</i> Syd. (?) : <i>Celosia</i> sp. (?) (cockscorn)-----	do-----	1			Tex.
<i>Cercospora coleroideis</i> Sacc.: <i>Casimiroa edulis</i> (white sapote)-----	do-----	1			N. Y.
<i>Cercospora musae</i> Zimm.: <i>Musa paradisiaca sapientum</i> (banana)-----	Honduras, Jamaica, Mexico, Puerto Rico, Venezuela-----	19	5	1	Md., Mass. N. J., N. Y., Tex.
<i>Cercospora nicotianae</i> Ell. & Ev.: <i>Nicotiana tabacum</i> (tobacco)-----	Mozambique-----	1			N. Y.
<i>Cercospora personata</i> (Berk. & Curt.) Ell. & Ev.: <i>Arachis hypogaea</i> (peanut)-----	Mexico-----	1			N. Y.
<i>Cercospora sechiae</i> Stevenson: <i>Sechium edule</i> (chayote)-----	Cuba-----	1			Fla.*

List of pests collected and reported from July 1, 1942, to June 30, 1943, inclusive—Con.

Disease and host	Country of origin	Number of inter-ceptions in—			Collected in—
		Con- sump- tion	Non- entry	Prop- aga- tion	
<i>Cercospora vaginæ</i> Krueger: <i>Saccharum officinarum</i> (sugarcane).....	Mexico.....		1		Tex.
<i>Cerebella andropogonis</i> Ces.: <i>Paspalum dilatatum</i> (dallis grass).....	Australia.....	2		1	N. Y.
<i>Chaetomium elatum</i> Kze. & Schm.: <i>Avena sativa</i> (oat).....	Canada.....	1			Pa.
<i>Cladosporium carpophilum</i> Thuem.: <i>Prunus persica</i> (peach).....	Mexico.....	1			Tex.
<i>Claviceps paspali</i> F. L. Stevens & J. G. Hall: <i>Paspalum dilatatum</i> (dallis grass).....	Australia.....			1	N. Y.
<i>Paspalum</i> sp.....	Australia, Cuba.....	1		1	N. Y.
<i>Claviceps purpurea</i> (Fr.) Tul.: <i>Bromus</i> sp. (brome grass).....	Canada.....			1	Mass.
<i>Lolium</i> sp.....	Uruguay.....			1	N. J.
<i>Colletotrichum graminicolum</i> (Ces.) G. W. Wils: <i>Triticum aestivum</i> (wheat).....	Australia.....	1			Oreg.
<i>Colletotrichum lagenarium</i> (Pass.) Ell. & Halst.: <i>Sechium edule</i> (chayote).....	Mexico.....		1		Tex.
<i>Colletotrichum lincola</i> Cda.: <i>Sorghum halepense</i> (Johnson grass).....	do.....		1		Tex.
<i>Sorghum vulgare</i> (sorghum).....	do.....		1		Tex.
<i>Colletotrichum macrosporum</i> Sacc.: <i>Mittonia verillaria</i> (orchid).....	Colombia.....			1	P. R.
<i>Stanhopea</i> sp. (orchid).....	Costa Rica.....			1	N. J.
<i>Colletotrichum pisti</i> Pat.: <i>Lathyrus odoratus</i> (sweetpea).....	Mexico.....	1			Tex.
<i>Pisum sativum</i> (pea).....	do.....	1			Tex.
<i>Colletotrichum vanillae</i> Scalia: <i>Cattleya</i> sp. (orchid).....	Colombia.....			1	P. R.
<i>Cytospora palmarum</i> Cke.: <i>Cocos nucifera</i> (coconut).....	Trinidad.....	1			Mass.
<i>Daldinia gollani</i> P. Henn.: <i>Caesalpinia</i> sp.....	Nicaragua.....	1			Calif.*
<i>Dematium pullulans</i> DBy.: <i>Cattleya</i> sp. (orchid).....	Venezuela.....			1	N. J.
<i>Oncidium</i> sp. (?) (orchid).....	Salvador.....			1	N. J.
<i>Diaporthe binoculata</i> (Ell.) Sacc.: <i>Magnolia watsoni</i> (Watson magnolia).....	England.....			1	N. J.
<i>Diplodia henriquesiana</i> Trav. & Spessa: <i>Stanhopea</i> sp. (orchid).....	Venezuela.....			1	N. J.
<i>Diplodia paraphysaria</i> Sacc.: <i>Botemannia</i> sp. (orchid).....	Colombia.....			1	P. R.
<i>Cattleya</i> sp. (orchid).....	do.....			1	P. R.
<i>Diplodia rosarum</i> Fr.: <i>Rosa</i> sp.....	Spain.....			1	N. J.
<i>Diplodia theobromae</i> (Pat.) (Nowell): <i>Saccharum officinarum</i> (sugarcane).....	New Hebrides.....			1	Calif.*
<i>Ditylenchus dipsaci</i> (Kuhn) Filipjev: <i>Narcissus bulbocodium conspicuus</i>	England.....			1	N. J.
<i>Narcissus</i> sp.....	England, Ireland.....			5	N. J.
<i>Elsinoe australis</i> Bitanc. & Jenkins: <i>Citrus limon</i> (lemon).....	Argentina, Uruguay.....		3		N. Y., Pa.
<i>Citrus sinensis</i> (orange).....	Brazil.....	1	6		Fla., Md., N. Y., Pa.
<i>Fabraea maculata</i> (Lev.) Atk.: <i>Cydonia oblonga</i> (quince).....	Mexico.....	1			Tex.
<i>Fusarium heterosporum</i> Nees: <i>Paspalum dilatatum</i> (dallis grass).....	Australia.....			1	N. Y.
<i>Paspalum</i> sp.....	Australia, Cuba.....	1		2	N. Y.
<i>Fusicladium eriobotryae</i> Cav.: <i>Eriobotrya japonica</i> (loquat).....	Portugal.....		1		Pa.
<i>Gloeosporium cattleyae</i> Sacc. & D. Sacc.: <i>Cattleya</i> sp. (orchid).....	Venezuela.....			1	P. R.
<i>Gloeosporium epidendri</i> P. Henn.: <i>Epidendrum secundum</i> (orchid).....	Trinidad.....			1	P. R.
<i>Gloeosporium fructigenum</i> Berk.: <i>Malus pumila</i> (apple).....	Portugal.....		1		Pa.
<i>Gloeosporium leguminum</i> (Cke.) Sacc.: <i>Prosopis</i> sp. (mesquite).....	Mexico.....			9	Tex.
<i>Gloeosporium mangiferae</i> P. Henn.: <i>Mangifera indica</i> (mango).....	Dominican Republic.....	1			P. R.
<i>Gloeosporium oncidii</i> Oud.: <i>Oncidium papilio</i> (orchid).....	Trinidad.....			1	P. R.
<i>Helminthosporium oryzae</i> de Haan: <i>Oryza sativa</i> (rice).....	Salvador.....	1			Tex.

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		Con- sump- tion	Non- entry	Prop- aga- tion	
<i>Hendersonia oryzae</i> Miy. (?): <i>Oryza sativa</i>	China	1			Calif.*
<i>Heterosporium allii-cepae</i> Ranoj.: <i>Allium porrum</i> (leek)	Japan	1			Wash.
<i>Heterosporium avenae</i> Oud.: <i>Avena sativa</i> (oat)	Australia, New Zealand	2			Oreg., Wash.
<i>Heterosporium avenae</i> Oud (?): <i>Avena sativa</i>	Australia, Canada	2			Wash.
<i>Triticum aestivum</i> (wheat)	Australia	1			Wash.
<i>Heterosporium echinulatum</i> (Berk.) Cke.: <i>Dianthus</i> sp. (carnation)	Guatemala, Honduras, Mexico	5	1		Tex.
<i>Heterosporium variabile</i> Cke.: <i>Spinacia oleracea</i> (spinach)	Mexico	3			Ariz.
<i>Heterosporium variabile</i> Cke. (?): <i>Dianthus</i> "peristeri"	Canada			1	N. J.
<i>Hormodendron cladosporioides</i> (Fres.) Sacc.: <i>Capsicum frutescens</i> (pepper)	Panama		1		N. Y.
<i>Lycopersicon esculentum</i> (tomato)	Azores		1		Pa.
<i>Lenzites striata</i> Sw. ex Fr.: <i>Caesalpinia</i> sp.	Nicaragua	1			Calif.*
<i>Lethum australiense typicum</i> Holmes: <i>Lycopersicon esculentum</i> (tomato)	Mexico	221			Ariz.
<i>Macrosporium sarcinula</i> Berk.: <i>Brassica oleracea capitata</i> (cabbage)	Portugal		1		Pa.
<i>Marmor tabaci vulgare</i> Holmes: <i>Capsicum frutescens</i> (pepper):	Mexico	184			Ariz.
<i>Melampsora lini</i> (Pers.) Lev.: <i>Linum usitatissimum</i> (flax)	Canada	1			Wash.
<i>Melanconium lineolatum</i> Sacc.: Bamboo	Mexico	1			Ariz.
<i>Melanospora matthirolanum</i> Mirande: <i>Lycopersicon esculentum</i> (tomato)	do.	1			Tex.
<i>Monilinia cinerea</i> (Bon.) Honey: <i>Prunus</i> sp. (cherry)	Portugal	1	1		Pa.
<i>Mycosphaerella schoenoprasii</i> (Rab.) Schroet.: <i>Allium porrum</i> (leek)	Union of South Africa		1		Pa.
<i>Allium sativum</i> (garlic)	Portugal		1		Pa.
<i>Myrothecium roridum</i> Tode: <i>Agave</i> sp.	Mexico			1	Calif.*
<i>Nigrospora oryzae</i> (Berk. & Br.) Petch.: <i>Oryza sativa</i> (rice)	India, Portugal	3			Mass., Pa.
<i>Papularia rinosum</i> (Berk. & Curt.) Mason: Bamboo	Mexico	1			Ariz.
<i>Pestalozzia funerea</i> Desm.: <i>Thuja occidentalis</i> (American arborvi- tae)	Canada			1	N. J.
<i>Pestalozzia macrotricha</i> Kleb.: <i>Rhododendron</i> sp.	England			1	N. J.
<i>Pestalozzia palmarum</i> Cke.: <i>Cocos nucifera</i> (coconut)	Samoa	1			Calif.*
<i>Phaeosphaeria oryzae</i> Miy.: <i>Oryza sativa</i> (rice)	Burma, Japan	1	8		Calif.*, Wash.
<i>Phleospora multimaculans</i> Heald & Wolf: <i>Juglans</i> sp. (walnut)	Mexico	3			Tex.
<i>Phoma citricarpa</i> McAlp.: <i>Citrus limon</i> (lemon)	Australia		5		Calif.*, N. Y.
<i>Citrus sinensis</i> (orange)	Australia, Union of South Africa			9	Calif.*, N. Y., Va.
<i>Phoma glumarum</i> Ell. & Tracy: <i>Oryza sativa</i> (rice)	Nicaragua	1			Tex.
<i>Phoma terrestris</i> Hansen: <i>Pastinaca sativa</i> (parsnip)	England		1		N. Y.
<i>Phyllachora graminis</i> (Fr.) Fckl.: <i>Triticum aestivum</i> (wheat)	Morocco	1			N. Y.
<i>Phyllachora huberi</i> P. Henn.: <i>Hevea brasiliensis</i>	Brazil	1			Fla.*
<i>Phyllosticta bonanseaana</i> Sacc. (?): <i>Medicago sativa</i> (alfalfa)	Mexico	1			Pa.
<i>Phyllosticta glumarum</i> (Ell. & Tracy) Miy.: <i>Oryza sativa</i> (rice)	China	1			Wash.
<i>Physalospora cattleyae</i> Maub. & Lasnier: <i>Stanhopea</i> sp. (orchid)	Mexico			2	N. J.
<i>Physalospora orchidearum</i> P. Henn.: <i>Cattleya</i> sp. (orchid)	Trinidad			1	P. R.

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		Consumption	Non-entry	Propagation	
<i>Phytophthora capsici</i> Leonian:					
<i>Capsicum frutescens</i> (pepper)	Mexico	1			Tex.
<i>Phytophthora parasitica</i> Dast.:					
<i>Lycopersicon esculentum</i> (tomato)	do	1			Tex.
<i>Solanum melongena</i> (eggplant)	do	1			Ariz.
<i>Polyporus lionoides</i> Mont.:					
<i>Caesalpinia</i> sp	Nicaragua	1			Calif.*
<i>Polyporus sanguineus</i> Fr.:					
<i>Caesalpinia</i> sp	do	1			Calif.*
<i>Polystictus versicolor</i> Fr.:					
Wood	Mexico			1	Tex.
<i>Pseudoperonospora cubensis</i> (Berk. & Curt.) Rostow:					
<i>Cucurbita maxima</i> (squash)	do	1			Tex.
<i>Pseudopeziza medicaginis</i> (Lib.) Sacc.:					
<i>Medicago sativa</i> (alfalfa)	do	1			Tex.
<i>Puccinia tageticola</i> Diet. & Holw.:					
<i>Tagetes florida</i> (marigold)	do	1			Tex.
<i>Pucciniastrum pustulatum</i> (Pers.) Diet.:					
<i>Epilobium angustifolium</i> (fireweed)	Canada	1			Wash.
<i>Pyrenochaeta oryzae</i> Shirai:					
<i>Oryza sativa</i> (rice)	Japan	1			Wash.
<i>Pythium aphanidermatum</i> (Edson) Fitz.:					
<i>Phaseolus</i> sp. (string bean)	Mexico	2			Tex.
<i>Rhytisma acerinum</i> Fr.:					
<i>Acer</i> sp. (maple)	Canada	2			Mass.
<i>Sclerotinia bulborum</i> (Wakk.) Rehm.:					
<i>Hyacinthus</i> sp	England			1	N. Y.
<i>Sclerotium cepivorum</i> Berk.:					
<i>Allium sativum</i> (garlic)	Mexico	1			Tex.
<i>Septoria anthrisci</i> Pass. & Brun.:					
<i>Chaerophyllum</i> sp. (chervil)	Portugal		1		Pa.
<i>Petroselinum crispum</i> (parsley)	do		1		Pa.
<i>Septoria apii-graveolentis</i> Dorogin:					
<i>Apium graveolens</i> (celery)	England, Union of South Africa, Wales.		3		N. Y., Pa.
<i>Septoria citri</i> Pass.:					
<i>Citrus limon</i> (lemon)	Italy		1		Pa.
<i>Citrus sinensis</i> (orange)	Portugal		1		Pa.
<i>Septoria dianthi</i> Desm.:					
<i>Dianthus</i> sp. (carnation)	Bermuda	1			N. Y.
<i>Septoria pisi</i> West.:					
<i>Pisum sativum</i> (pea)	Mexico	1			Tex.
<i>Septoria rosae</i> Desm.:					
<i>Rosa</i> sp.	do		1		Tex.
<i>Sphaceloma fawcettii</i> var. <i>scabiosa</i> Jenkins:					
<i>Citrus limon</i> (lemon)	Australia		1		Md.
<i>Sphaceloma perseae</i> Jenkins:					
<i>Persea americana</i> (avocado)	American Virgin Islands, Jamaica.		2		P. R.
<i>Sphaerella exutans</i> Cke.:					
<i>Persea</i> sp	Mexico	1			Tex.
<i>Stachylidium theobromae</i> Turc.:					
<i>Musa paradisica sapientum</i> (banana)	Trinidad	1			Md.
<i>Trametes hydroides</i> Fr.:					
<i>Caesalpinia</i> sp	Nicaragua	2			Calif.*
<i>Uromyces fabae</i> (Pers.) D By.:					
<i>Vicia faba</i> (fava bean)	Portugal	1	1		Pa.
<i>Uromyces polygoni</i> Fekl.:					
<i>Polygonum aviculare</i> (prostrate knot-weed).	England	1			N. Y.
<i>Uromyces striatus</i> Schroet.:					
<i>Medicago sativa</i> (alfalfa)	Mexico	1			Tex.
<i>Ustilago avenae</i> (Pers.) Jens.:					
<i>Avena sativa</i> (oat)	Australia	2			N. Y., Pa.
<i>Ustilago hordei</i> (Pers.) Kell. & Swing.:					
<i>Hordeum vulgare</i> (barley)	Mexico, New Zealand	2			Ariz., Md.
<i>Ustilago levis</i> (Kell. & Swing.) Magn.:					
<i>Avena sativa</i> (oat)	Australia or New Zealand (soldier's mail).	1			Pa.
<i>Ustilago tritici</i> (Pers.) Rostr. (?):					
<i>Triticum aestivum</i> (wheat)	Australia	1			Wash.
<i>Vermicularia capsici</i> Syd.:					
<i>Lycopersicon esculentum</i> (tomato)	Colombia		1		La.
<i>Vermicularia herbarum</i> West.:					
<i>Dianthus</i> sp. (carnation)	Canada			1	N. J.

Hosts and diseases

- ACER:
Myrothecium roridum (Deuteromycetes)
Rhytisma acerinum (Ascomycetes)
- ALLIUM CEPA:
Botrytis allii (Deuteromycetes)
- ALLIUM PORRUM:
Heterosporium allii cepae (Deuteromycetes)
Mycosphaerella schoenoprasii (Ascomycetes)
- ALLIUM SATIVUM:
Mycosphaerella schoenoprasii (Ascomycetes)
Scelerotium cepivorum (Deuteromycetes)
- APIUM:
Septoria apii-graveolentis (Deuteromycetes)
- ARACHIS:
Cercospora personata (Deuteromycetes)
- Avena:
Chaetomium elatum (Ascomycetes)
Heterosporium avenae (Deuteromycetes)
Ustilago avenae (Promycetes)
Ustilago levis (Promycetes)
- BAMBOO:
Melanconium lineolatum (Deuteromycetes)
Papularia vinosum (Deuteromycetes)
- BATEMANNIA—See Orchidaceae
- BRASSICA OLERACEA CAPITATA:
Macrosporium sarcinula (Deuteromycetes)
- BROMUS:
Claviceps purpurea (Ascomycetes)
- CAESALPINIA:
Daldinia gollani (Ascomycetes)
Lenzites striata (Basidiomycetes)
Polyporus lionoides (Basidiomycetes)
Polyporus sanguineus (Basidiomycetes)
Trametes hydroides (Basidiomycetes)
- CAPSICUM:
Hormodendron cladosporioides (Deuteromycetes)
Marmor tabaci vulgare (Virus)
Phytophthora capsici (Phycomycetes)
- CASIMIROA:
Cercospora coloroides (Deuteromycetes)
- CATTLEA—See Orchidaceae
- CELOSIA:
Cercospora celosiae (?) (Deuteromycetes)
- CHAEOPHYLLUM:
Septoria anthrisci (Deuteromycetes)
- CHRYSANTHEMUM:
Ascochyta chrysanthemi (Deuteromycetes)
- CITRUS GRANDIS:
Bacterium citri (Schizomycetes)
- CITRUS LIMON:
Ascochyta citri (?) (Deuteromycetes)
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
- CITRUS PARADISI:
Alternaria citri (Deuteromycetes)
- CITRUS SINENSIS:
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
- COCOS:
Cytospora palmarum (Deuteromycetes)
Pestalozzia palmarum (Deuteromycetes)
- CUCUMIS:
Acrothectum lunatum (Deuteromycetes)
- CUCURBITA:
Pseudoperonospora cubensis (Phycomycetes)
- CYDONIA:
Fabraea maculata (Ascomycetes)
- DIANTHUS:
Heterosporium echinulatum (Deuteromycetes)
Heterosporium variabile (Deuteromycetes)
Septoria dianthi (Deuteromycetes)
Vermicularia herbarum (Deuteromycetes)
- EPIDENDRUM—See Orchidaceae
- EPILOBIUM:
Pucciniastrum pustulatum (Promycetes)
- ERIOBOTRYA:
Fusicladium eribotryae (Deuteromycetes)
- GOSSYPIMUM:
Cercospora althaeina (Deuteromycetes)
- HEVEA:
Phyllachora huberi (Ascomycetes)
- HORDEUM:
Ustilago hordei (Promycetes)
- HYACINTHUS:
Sclerotinia bulborum (Ascomycetes)
- JUGLANS:
Phleospora multumaculans (Deuteromycetes)
- LATHYRUS:
Colletotrichum pisi (Deuteromycetes)
- LINUM:
Melampsora lini (Promycetes)
- LOLIUM:
Claviceps purpurea (Ascomycetes)
- LYCOPERSICON:
Hormodendron cladosporioides (Deuteromycetes)
Lethum australiense typicum (Virus)
Melanospora matthirolanum (Ascomycetes)
Phytophthora parasitica (Phycomycetes)
Vermicularia capsici (Deuteromycetes)
- MAGNOLIA:
Diaporthe binoculata (Ascomycetes)
- MALUS:
Gloeosporium fructigenum (Deuteromycetes)
- MANGIFERA:
Gloeosporium mangiferae (Deuteromycetes)
- MEDICAGO:
Phyllosticta bonanseaana (?) (Deuteromycetes)
Pseudopeziza medicaginis (Ascomycetes)
Uromyces striatus (Promycetes)
- MILTONIA—See Orchidaceae
- MUSA PARADISIACA SAPIENTUM:
Cercospora musae (Deuteromycetes)
Stachylidium theobromae (Deuteromycetes)
- NARCISSUS:
Botrytis narcissicola (Deuteromycetes)
Ditylenchus dipsaci (Nematoda)
- NICOTIANA:
Cercospora nicotianae (Deuteromycetes)
- ODONTIODA—See Orchidaceae
- ODONTOGLOSSUM—See Orchidaceae
- ONCIDIUM—See Orchidaceae
- ORCHIDACEAE:
Cercospora anگری (Deuteromycetes)
Collectotrichum macrosporum (Deuteromycetes)
Colletotrichum vanillae (Deuteromycetes)
Dematium pullulans (Deuteromycetes)
Diplodia henriquesiana (Deuteromycetes)
Diplodia paraphysaria (Deuteromycetes)
Gloeosporium cattleyae (Deuteromycetes)
Gloeosporium epidendri (Deuteromycetes)
Gloeosporium oncidii (Deuteromycetes)
Phyalospora cattleyae (Ascomycetes)
Phyalospora orchidearum (Ascomycetes)
- ORYZA:
Helminthosporium oryzae (Deuteromycetes)
Hendersonia oryzae (?) (Deuteromycetes)
Nigrospora oryzae (Deuteromycetes)
Phaeosphaeria oryzae (Ascomycetes)
Phoma glumarum (Deuteromycetes)
Phyllosticta glumarum (Deuteromycetes)
Pyrenochaeta oryzae (Deuteromycetes)
- PASPALUM:
Cerebella andropogonis (Deuteromycetes)
Claviceps paspali (Ascomycetes)
Fusarium heterosporium (Deuteromycetes)
- PASTINACA:
Phoma terrestris (Deuteromycetes)
- PERSEA:
Sphaceloma persea (Deuteromycetes)
Sphaerella ezutans (Ascomycetes)
- PETROSELINUM:
Septoria anthrisci (Deuteromycetes)
- PHASEOLUS:
Pythium aphanidermatum (Phycomycetes)
- PINUS:
Ceratostomella ips (Ascomycetes)
- PISUM:
Colletotrichum pisi (Deuteromycetes)
Septoria pisi (Deuteromycetes)
- POLYGONUM:
Uromyces polygoni (Promycetes)
- PROSOPIS:
Gloeosporium leguminum (Deuteromycetes)
- PRUNUS:
Cladosporium carpophilum (Deuteromycetes)
Monilia cinerea (Deuteromycetes)
- RHODODENDRON:
Pestalozzia macrotricha (Deuteromycetes)
- ROSA:
Diplodia rosarum (Deuteromycetes)
Septoria rosae (Deuteromycetes)

Hosts and diseases—Continued

- SACCHARUM:
Cercospora vaginæ (Deuteromycetes)
Diplodia theobromæ (Deuteromycetes)
- SECHUM:
Cercospora sechiæ (Deuteromycetes)
Colletotrichum lagenarium (Deuteromycetes)
- SOLANUM MELONGENA:
Phytophthora parasitica (Phycomycetes)
- SOLANUM TUBEROSUM:
Aphelenchus avenæ (Nematoda)
- SORGHUM HALEPENSE:
Colletotrichum lineola (Deuteromycetes)
- SORGHUM VULGARE:
Colletotrichum lineola (Deuteromycetes)
- SPINACIA:
Heterosporium variabile (Deuteromycetes)
- STANHOPEA—See Orchidaceae
- TAGETES:
Puccinia tagetica (Promycetes)
- THUJA:
Pestalozzia funerea (Deuteromycetes)
- TRITICUM:
Colletotrichum graminicolum (Deuteromycetes)
Heterosporium avenæ (?) (Deuteromycetes)
Phyllachora graminis (Ascomycetes)
Ustilago tritici (?) (Promycetes)
- VICIA:
Uromyces fabæ (Promycetes)
- WOOD:
Polystictus versicolor (Basidiomycetes)
- ZINNIA:
Cercospora atricincta (Deuteromycetes)

Country of origin and diseases

- AMERICAN VIRGIN ISLANDS:
Sphaceloma perseæ
- ARGENTINA:
Alternaria citri
Ascochyta citri (?)
Elsinoe australis
- AUSTRALIA:
Cerebella andropogonis
Claviceps paspali
Colletotrichum graminicolum
Fusarium heterosporum
Heterosporium avenæ
Phoma citricarpa
Sphaceloma fawcettii var. *scabiosa*
Ustilago avenæ
Ustilago levis (Australia or New Zealand)
Ustilago tritici
- AZORES:
Hormodendron cladosporioides
- BERMUDA:
Septoria dianthi
- BRAZIL:
Elsinoe australis
Phyllachora huberi
- BURMA:
Phaeosphaeria oryzae (?)
- CANADA:
Chaetomium elatum
Claviceps purpurea
Heterosporium avenæ (?)
Heterosporium variabile
Melampsora lini
Pestalozzia funerea
Pucciniastrum pustulatum
Rhytisma acerinum
Vermicularia herbarum
- CHINA:
Hendersonia oryzae (?)
Phyllosticta glumarum
- COLOMBIA:
Colletotrichum macrosporum (?)
Colletotrichum vanillæ
Diplodia paraphysaria
Vermicularia capsici
- COSTA RICA:
Colletotrichum macrosporum
- CUBA:
Acrothecium lunatum
Cercospora sechiæ
Claviceps paspali
Fusarium heterosporum
- DOMINICAN REPUBLIC:
Gloeosporium mangiferæ
- ENGLAND:
Botrytis narcissicola
Ceratostomella ips
Cercospora angrici
Diaporthe binoculata
Ditylenchus dipsaci
Pestalozzia macrotricha
Phoma terrestris
Sclerotinia bulborum
Septoria apii-graveolentis
Uromyces polygoni
- GUATEMALA:
Heterosporium echinulatum
- HONDURAS:
Cercospora musæ
Heterosporium echinulatum
- INDIA:
Nigrospora oryzae
- IRELAND:
Botrytis narcissicola
Ditylenchus dipsaci
- ITALY:
Septoria citri
- JAMAICA:
Cercospora musæ
Sphaceloma perseæ
- JAPAN:
Heterosporium allii-cepæ
Phaeosphaeria oryzae
Pyrenochaeta oryzae
- MEXICO:
Ascochyta chrysanthemi
Botrytis allii (?)
Cercospora althææ
Cercospora atricincta
Cercospora celosiæ (?)
Cercospora coleroides
Cercospora musæ
Cercospora personata
Cercospora vaginæ
Cladosporium carpophilum
Colletotrichum lagenarium
Colletotrichum lineola
Colletotrichum pisi
Fabraea maculata
Gloeosporium leguminum
Heterosporium echinulatum
Heterosporium variabile
Lethum australiense typicum
Marmor tabaci vulgare
Melanconium lineolatum
Melanospora matthirolanum
Myrothecium roridum
Papularia rinosum
Phleospora multimaculans
Phyllosticta bonanseaana (?)
Physalospora cattleyæ
Phytophthora capsici
Phytophthora parasitica
Polystictus versicolor
Pseudoperonospora cubensis
Pseudopeziza medicaginis
Puccinia tagetica
Pythium aphanidermatum
Sclerotium cepitorum
Septoria pisi
Septoria rosæ
Sphaerella exultans
Uromyces striatus
Ustilago hordei
- MOROCCO:
Phyllachora graminis
- MOZAMBIQUE:
Cercospora nicotianæ
- NEW HEBRIDES:
Diplodia theobromæ
- NEW ZEALAND:
Botrytis allii
Heterosporium avenæ
Ustilago hordei

Country of origin and diseases—Continued

NICARAGUA:

Daldinia gollani
Lenzites striata
Phoma glumarum
Polyporus lionoides
Polyporus sanguineus
Trametes hydroides

PANAMA:

Hormodendron cladosporioides

PORTUGAL:

Aphelenchus avenae
Fusicladium eriobotryae
Gloeosporium fructigenum
Macrosporium sarcinula
Monilinia cinerea
Mycosphaerella schoenoprasii
Nigrospora oryzae
Septoria anthrisci
Septoria citri
Uromyces fabae

PUERTO RICO:

Cercospora musae

SALVADOR:

Dematium pullulans
Helminthosporium oryzae

SAMOA:

Pestalozzia palmarum

SPAIN:

Diplodia rosarum

THAILAND:

Bacterium citri

TRINIDAD:

Cytospora palmarum
Gloeosporium epidendri
Gloeosporium oncidii
Physalospora orchidearum
Stachylidium theobromae

UNION OF SOUTH AFRICA:

Mycosphaerella schoenoprasii
Phoma citricarpa
Septoria apii-graveolentis

URUGUAY:

Claviceps purpurea
Elsinoe australis

VENEZUELA:

Cercospora musae
Dematium pullulans
Diplodia henriquesiana
Gloeosporium cattleyae

WALES:

Septoria apii-graveolentis

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